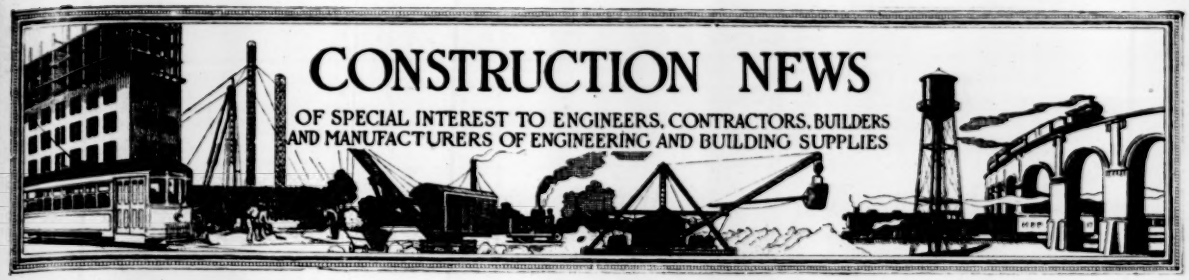
CONSTRUCTION NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

PROPOSALS

"For Proposals Advertised see the pages immediately following the Construction News Section."

WATERWORKS

Bids Close		See Eng. News-Record
May 22	Anaheim, Cal.	May 15
May 26	Coatesville, Pa. Adv. May 15.	May 15
May 27	Niles, Mich.	May 1
May 27	Niles, Mich.	May 15
May 28	Florence, Ariz.	May 15
May 28	Jersey City, N. J. Adv. May 15.	May 15
May 29	Tamaqua, Pa. Adv. Apr. 24.	Apr. 24
June 2	Mankato, Minn. Adv. May 1.	May 1
June 2	Newark, N. Y. Adv. May 15.	May 15
June 2	North Mankota, Minn.	May 15

SEWERS

May 19	Akron, O. Adv. Apr. 24.	Apr. 24
May 19	Fresno, Cal.	May 8
May 19	Detroit, Mich.	May 15
May 19	Camden, N. J.	May 15
May 20	Erie, Pa. Adv. Apr. 24.	Apr. 24
May 20	Lynn, Mass.	May 15
May 20	Johnstown, Pa.	May 15
May 21	Brooklyn, N. Y.	May 15
May 21	Akron, O. Adv. Apr. 24.	Apr. 24
May 22	Milwaukee, Wis.	May 8
May 23	Conneaut, O.	May 15
May 26	Coatesville, Pa. Adv. May 15.	May 15
May 27	Niles, Mich.	May 1
May 27	Meadville, Pa. Adv. May 15.	May 15
May 27	Nashville, Tenn.	May 15
June 2	Bishop, Cal.	May 15
June 4	Garner, Ia.	May 15
June 9	Stratford, Conn. Adv. May 15.	May 15

BRIDGES

May 17	Brome, Que.	May 15
May 19	Cottonwood, Ariz.	Apr. 24
May 19	Jerome, Ariz.	May 1
May 19	Bowling Green, O.	May 1
May 19	Marysville, Wash.	May 8
May 19	La Fayette, Ga.	May 8
May 20	Macon, Ga.	May 1
May 20	Arthur, Ont.	May 15
May 27	Harrisburg, Ark. Adv. May 8.	May 8
May 27	Arthur, Ont.	May 15
May 28	Statesboro, Ga.	May 15
May 29	West Union, W. Va.	May 15
May 30	Madison, W. Va.	May 15
May 30	Danville, W. Va.	May 15
June 4	Charleston, W. Va.	May 15
June 4	Swainsboro, Ga.	May 15
June 5	Stratford, Conn.	May 8
June 6	Monroe, Ga.	May 8
June 9	Montgomery, Ala. Adv. May 8.	May 8

STREETS AND ROADS

May 15	Chateau Richer, Que.	May 15
May 17	St. Bernard, O.	May 15
May 18	Duluth, Minn.	May 15
May 19	Merced, Cal.	Apr. 10
May 19	Tulsa, Okla. Adv. Apr. 17 and 24.	Apr. 17
May 19	Akron, O. Adv. Apr. 24.	Apr. 24
May 19	Minneapolis, Minn.	May 1
May 19	Plainfield, N. J.	May 8
May 19	California	May 8
May 19	Washington	May 8
May 19	Grafton, W. Va.	May 8
May 19	Brampton, Ont.	May 8
May 19	Indianapolis, Ind.	May 15
May 19	Albany, N. Y.	May 15
May 20	Massachusetts	May 15
May 20	Grosse Point, Minn.	May 15
May 20	Windom, Minn.	Apr. 24
May 20	Brockton, Mass. Adv. May 8.	May 8
May 20	Seguin, Tex.	May 15
May 20	Nutley, N. J.	May 8
May 20	Columbus, O.	May 8
May 20	Albemarle, N. C.	May 8
May 20	Virginia	May 15
May 20	Toledo, O.	May 15
May 20	Beverly, N. J	May 15
May 20	Detroit, Mich.	May 15
May 20	Michigan	May 15
May 21	Westwood, N. J. Adv. May 15.	May 15
May 21	Hillsdale, N. J. Adv. May 15.	May 15
May 21	Quebec, Que.	May 15
May 21	Brooklyn, N. Y.	May 15
May 21	St. George, S. I., N. Y.	May 15
May 21	Akron, O. Adv. Apr. 24.	Apr. 24
May 21	Preston, Minn.	May 8
May 21	Illinois	May 8
May 21	Ebensburg, Pa.	May 8
May 21	Reinbeck, Ia.	May 15
May 22	Portland, Ore.	May 15
May 22	Benson, Minn.	May 1
May 22	Clay Center, Neb. Adv. May 8.	May 8
May 22	Pittsburgh, Pa.	May 8
May 22	Benson, Minn.	May 15
May 23	Lawrence, Kan.	May 1
May 23	Spencer, W. Va.	May 15
May 23	Youngstown, O.	May 15
May 23	Heflin, Ala.	May 15
May 24	Mt. Lebanon, Pa.	May 15
May 26	Pennsylvania Adv. May 8.	May 8
May 26	Stillwater, Minn.	May 15
May 26	Minneapolis, Minn.	May 15
May 26	Madison, Neb. Adv. May 15.	May 15
May 26	Ohio	May 15
May 27	Seattle, Wash.	May 15
May 27	Maryland Adv. May 15.	May 15
May 27	Preston, Minn.	May 1
May 27	Henderson, Minn.	May 8
May 27	Mahnomey, Minn.	May 8
May 27	Harrisburg, Ark. Adv. May 8.	May 8
May 27	St. Louis, Mo.	May 8
May 27	Toronto, Ont.	May 15
May 27	Chaska, Minn.	May 15
May 27	Signourney, Minn.	May 15
May 27	Hedrick, Ia.	May 15
May 28	Wilmar, Minn.	May 8
May 28	Wisconsin	May 15
May 28	Illinois	May 15
May 28	New Jersey	May 15
May 28	Nashville, Tenn. Adv. May 1.	May 1
May 28	Milan, Mich.	May 15
May 28	Terra Haut, Ind.	May 15
May 29	Pittsburg, Pa.	May 15
May 29	Michigan	May 8
May 29	Maryland	May 15
May 29	West Union, W. Va.	May 15
May 29	Cambridge, Minn.	May 15
May 30	Evansville, Pa.	May 15
May 30	Dallas, Tex. Adv. Apr. 17 and 24.	Apr. 17
June 1	Michigan	May 8
June 1	Perce, Que.	May 15
June 2	St. Severe, Que.	Apr. 24
June 2	Elkins, W. Va. Adv. May 8.	May 8
June 2	Kingwood, W. Va.	May 15
June 2	Wayne, W. Va.	May 15
June 2	Indianapolis, Ind.	May 15
June 2	Lincoln, Neb.	May 15
June 2	Bury, Que.	May 15
June 3	Minot, N. B.	May 15
June 3	Griffin, Ga.	May 8
June 3	New York, N. Y. Adv. May 8.	May 8
June 3	Blair, Neb.	May 15
June 4	New Rockford, N. D.	May 15
June 4	Albion, Neb.	May 15
June 4	Bradford, O.	May 15
June 5	Metter, Ga.	May 15
June 5	Glenwood, Minn.	May 15
June 6	Centersburg, O.	May 15
June 10	Clarksville, Pa.	Apr. 3
July 1	Marshall, Ark.	May 15

EXCAVATION AND DREDGING

May 20	Hartford City, Ind.	May 15
May 22	Sarnia, Ont. Adv. May 15.	May 15
June 2	Beaufort, N. C. Adv. Apr. 24.	Apr. 24
June 3	Henderson, Minn.	May 15
July 1	Edwardsville, Ill.	May 15

INDUSTRIAL WORKS

May 21	Guelph, Ont.	May 8
May 24	Brooklyn, N. Y.	May 8
May 28	Tebbetts, Mo.	May 15
Aug. 1	Hastings, Minn.	May 15

BUILDINGS

May 19	Harrisburg, Pa.	May 15
May 19	Waterbury, Conn.	May 15
May 19	New York, N. Y.	May 19
May 19	Charleston, S. C.	May 1
May 20	Cathay, N. D. Adv. May 1.	May 1
May 20	St. Peter, Minn.	May 15
May 21	Cohoes, N. Y.	May 1
May 21	Los Angeles, Cal.	May 8
May 22	Springfield, Mass.	May 8
May 23	Cambridge, Minn.	May 15
May 26	Gallipolis, O.	May 1
May 27	Howard, R. I.	May 15
May 27	Pembina, N. D.	May 15
May 27	Brooklyn, N. Y.	May 15
June 1	Montreal, Que.	May 8
June 1	St. Cloud, Minn.	May 8
June 1	Rochester, Minn.	May 8
June 1	Faribault, Minn.	May 15
June 1	Willmar, Minn.	May 15
June 1	Chicago, Ill.	May 15
June 4	Central Islip, N. Y.	May 15
June 10	Bessemer, Ala.	May 15
June 15	Anoka, Minn.	May 8
Aug. 1	Kenosha, Wis.	May 15

FEDERAL GOVERNMENT WORK

May 19	Dry Dock—Spec. 3858—Charleston, S. C.	Apr. 24
May 19	Elevators and Shaft—Spec. 3851—Philadelphia, Pa.	May 1
May 19	Crane—Spec. 3869—Pensacola, Fla.	May 1
May 19	Cranes—Spec. 3670—South Charleston, Va.	May 8
May 19	Elevator and Shaft—Spec. 3851—Washington, D. C.	May 15
May 20	Dredging — New London, Conn. Adv. May 1.	May 1
May 20	Conduit, Wiring and Lighting Fixtures—Elgin, Ill. Adv. May 1.	May 1
May 20	Post Office—Honey Grove, Tex.	May 15
May 21	Dredging—Duluth, Minn. Adv. Apr. 24.	Apr. 24
May 21	Derricks—Florence, Ala. Adv. Apr. 24.	Apr. 24
May 21	Paving—Washington, D. C. Adv. May 8.	May 8
May 21	Paving Material—Washington, D. C.	May
May 22	Rip Rap—Duluth, Minn.	May 1

Bids Close		See Eng. News-Record
May 22	Road Work — Grangeville, Idaho	May 8
May 26	Laboratory—Fairport, Ia.	May 1
May 26	Superstructure — Chicago, Ill. Adv. May 1.	May 1
May 26	Bridge—Washington, D. C.	May 8
May 26	Tunnel—Spec. 3879—Philadelphia, Pa.	May 8
May 26	Medical Storage Building—Spec. 3462 — Hampton Roads, Va.	May 8
May 26	Steam Distributing System—Spec. 3876—Philadelphia, Pa.	May 8
May 26	Motor Generator Sets and Switchboard—Spec. 3872—Hampton Roads, Va.	May 8
May 26	Rip Rap—Philadelphia, Pa.	May 1
May 26	Storehouse — Spec. 3842 — Charleston, S. C.	May 15
May 26	Air and Water System—Spec. 3883—Hampton Roads, Va.	May 15
May 26	Roof Decks—Spec. 3839—Charleston, W. Va.	May 15
May 26	Steel Water Tank and Tower—Spec. 3868—Hampton Roads, Va.	May 15
May 27	School—Ft. Bidwell, Cal.	May 8
May 27	Dredging—Wilmington, Del. Adv. May 1.	May 1
May 28	Jetty and Revetment—Jacksonville, Fla. Adv. May 1.	May 1
May 28	Lock and Abutment—Cincinnati, O. Adv. May 1.	May 1
May 28	Post Office—Elkhart, Ind.	May 8
May 28	Dredging — New London, Conn. Adv. May 8.	May 8
May 28	Power Plant Equipment — Spec. 3871—Cavite, P. I.	May 15
May 28	Elevator—Ketchikan, Alaska	May 15
June 2	Dam and Bridge—Sacaton, Ariz. Adv. May 1.	May 1
June 4	Air Station—Spec. 3864—Galveston, Tex.	May 8
June 4	Bath House—Spec. 3786—Newport, R. I.	May 15
June 4	Revolving Platform—Spec. 3880—Hampton Roads, Va.	May 15
June 4	Storage Tanks—Spec. 3721 Cape May, N. J.	May 15
June 4	Fence — Spec. 3848 — Ft. Mifflin, Pa.	May 15
June 4	Roads — Spec. 3884 — Chatam, Mass.	May 15
June 4	Heating and Humidifying Apparatus—Spec. 3854—Philadelphia, Pa.	May 15
June 5	Post Office—Denton, Tex. Adv. May 15.	May 15
June 6	Post Office—Bellefourche, S. D. Adv. May 1.	May 1

MISCELLANEOUS

May 19	Paving Material—Camden, N. J.	May 15
May 19	Cast Iron Pipe—Lewiston, Mont.	May 15
May 19	Street Encrouchments, etc.—New York, N. Y.	May 15
May 20	Manholes, etc.—New York, N. Y.	May 15
May 20	Retaining Wall—Bridgeville, Pa.	May 15
May 20	Boiler Breeching, Ogdensburg, N. Y. Adv. May 15.	May 15
May 20	Platforms — Philadelphia, Pa.	May 15
May 20	Laundry Machinery — Ward's Island, N. Y. Adv. May 15.	May 15
May 21	Road Machinery—Harrisburg, Pa.	May 8
May 21	Piles, Timber, etc. — St. George, S. I., N. Y.	May 15
May 24	Paving Blocks—Kalamazoo, Mich. Adv. May 15.	May 15
May 27	Ferry Dock—Seattle, Wash.	May 15
May 29	Fill and Bulkhead—Astoria, Ore.	May 8
June 3	Capstans and Hoists—Albany, N. Y.	May 15
June 3	Coal Handling Equipment—Toledo, O.	May 8
June 3	Paving Bricks — Saranac Lake, N. Y. Adv. May 8.	May 8

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Athens—Town having plans prepared by M. Vrooman, engr., Gloversville, building water system, filters, pumping station, sewerage system and complete sewage disposal plant.

Ga., La Grange—See "Sewers."

Ga., Milledgeville—City election June 11 to vote on $145,000 bonds to build water and sewerage systems, grammar school and barracks.

O., Martins Ferry—City election Aug. 12, to vote on $450,000 bonds to build waterworks system and electric light plant. C. Lash, city engr.

Minn., Wells—See "Industrial Works."

Mo., Kansas City—City rejected bids building 1,000,000 gal., rein.-con. stand pipe in North Terrace Park. Noted Apr. 3.

Okla., Tulsa—City plans election to vote on $5,000,000 bonds to build water supply system from Spavinaw Creek to here. H. A. Pressey, city consult. engr.

Cal., Anderson—H. S. Riddell, engr., Anderson, recommended that Anderson-Cottonwood Irrigation Dist. strengthen headwork at intake on Sacramento River and build laterals, drains, drops and turnouts. Bonds for $145,000 will probably be voted for work.

Cal., Los Angeles—Bd. Pub. Serv. Comn. plans to build 23 mi. water pipe to supply aqueduct water to Hansen Heights Dist., recently annexed to city. Property owners will probably organize improvement district to build distributing system. J. P. Vroman, secy. W. Mulholland, 645 South Olive St., ch. engr.

Ont., Watford—See "Miscellaneous."

Bids Desired

N. Y., Newark—Until June 2, by city, building earthen dam and dikes across Case Creek and adjoining valley about 2½ mi. southeast of Clifton Springs, involving 3000 yd. concrete and 30,000 yd. earth embankment; furnishing all material and building rein.-con. and brick mechanical filtration plant, with 1,000,000 gal. capacity; haul and lay 38,000 ft. 14-in. c.i. pipe and furnish 1700 ton 14-in. c.i. pipe. Separate bids to be received on each division of above work. J. P. Wells, Cutler Bldg., Rochester, consult. engr.; advertised in this issue. Noted Apr. 3.

N. J., Jersey City—Until May 28, by city, laying 72-in. steel water pipe between Boonton Reservoir and here, Sect. 1, to duplicate existing syphons between Boonton Reservoir and Passaic River at Lyndhurst, Sect. 2, to duplicate existing syphons between Passaic River at Lyndhurst and Summit Ave. reservoir, here. F. A. Dolan, clk.; advertised in this issue. Noted Apr. 17.

Pa., Coatesville—Until May 26, by city furnishing and laying 1400 ft. 12 in. c.i. water mains. C. A. Niles, city engr.; advertised in this issue.

Mich., Niles—Until May 27, by Bd. Pub. Wks., installing water mains in various streets, involving 13,599 ft. 4-12 in. pipe.

Minn., North Mankato (Mankato P. O.)—Until June 2, by F. W. Bates, village recdr., building extension to waterworks. About $12,000. N. Moe, Mankato, engr.

Ariz., Florence—Until May 28, by S. M. Bailey, clk., building waterworks and electric light plant. About $80,000. Burns & McDonnel, Interstate Bldg., Kansas City, Mo., engrs. Noted Feb. 20.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Mass., Boston—City let contracts, to T. Burke, Dorchester, building water mains in Tremont St. et al, involving 4800 ft. 6-12 in. c.i. pipe, 450 cu.yd. earth and 25 cu.yd. rock excav., $8470; to A. Cefalo, Roslindale, involving 3400 ft. 6-12 in. c.i. pipe, 330 cu.yd. earth excav., $4715.

★N. J., Bayonne—City let contract building two 30-in. water mains under Hackensack River, to Snare & Triest Co., 8 West 40th St., New York City, $373,640. Noted May 1.

★Pa., Bakerton (Elmora P. O.)—Bakerton Water Co., let contract building complete storage water reservoir with all accessories, including 30 ft. rein.-con. dam, gatehouse, filters and 1¼ mi. c.i. pipe to city, to Ambursen Constr. Co., 61 Bway., New York City; commission basis. Noted Mar. 27.

★S. D., Mitchell—City let contracts, constructing water works, (2 sections) (a) Sect. 1, pump station buildings and well houses, (b) Sect. 3, laying, 12,702 ft. 4, 6 and 8 in. c.i. watermains, installing 13 fire hydrants, ten 4, 6 and 8 in. gate valves, 7309 lbs. special castings, 7 manholes, to Brown & Kings, Mitchell, cost $15,182, $2400, and $11,757 respectively; Sect. 2, machinery, Sect. 7, stack, to Merkle Mchy. Co., 508 Interstate Bldg., Kansas City, Mo., $38,000 and $2200 respectively; Sect. 5, air lift, to Harris Air Pump Co., 421 West South St., Indianapolis, Ind., (a) $13,339, (b) $10,877; Sect. 6, deep wells, to R. W. Jamison, Mitchell, $1909; (b) Sect. 2, furnishing 205 tons 6-8 in. and 16 tons, 4 in. c.i. pipes, 12 ft. lengths, 6597 lbs. special castings, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., $13,930. Noted Mar. 27.

S. D., Mitchell—City received lowest 3 bids furnishing and laying 12,702 ft. 4-8 in. c.i. pipe, etc., from Badger Constr. Co., 300 Oneida Bldg., $26,226; T. J. Woolley, $26,951; W. D. Lovell, 1415 South East 8th St., $27,984, all of Minneapolis, Minn.; building tower and tank, from Chicago Bridge Co., 105th and Throop Sts., Chicago, Ill., $16,200; Memphis Constr. Co., Memphis, Tenn., $17,000; Omaha Structural Steel Co., 420 Bee Bldg., Omaha, Neb., $17,800. This work in connection with waterworks. Noted Mar. 27.

★Mo., Kansas City—City let contract building rein.-con. stand pipe, 1,000,000 gal. capacity, on 75th and Holmes Sts., to Tifft Constr. Co., Inc., Iroquois Bldg., Buffalo, N. Y. About $52,000. Noted Apr. 3.

Sewers

PROPOSED WORK

N. Y., Athens—See "Waterworks."

N. Y., Utica—City plans to build storm sewers in Mortimer St. from Ballou Gulf to Miller St; Eagle St. from Dudley Ave. to Miller St.; Leah St. from Brinkerhoff to Dudley Aves., and Seymour Ave. to Neilson St.; Square St. from Seymour Ave. to Neilson St.; St. Vincent St. from Mortimer southerly; Conkling Ave. from Mortimer to Eagle Sts.; Taylor Ave. from Mortimer to Leah Sts.; Brinckerhoff Ave from Mortimer to Leah Sts.; Dudley Ave. from Mortimer to Eagle Sts.; Seymour Ave. from Eagle St. southerly; also sanitary sewer beginning at Eagle and St. Vincent Sts. and extending southerly and easterly to Brookside Park. J. Kemper, city engr.

N. J., Newark—Bd. Freeholders Essex Co. soon receives bids enlarging sewage disposal plant at Overbrook. About $100,000. A. Reimer, co. engr.

N. J., North Bergen—Town plans to build sewer and pave sections of Jefferson, Lincoln and River Sts. About $75,000.

Pa., Allentown—City plans to build sewage disposal plant, with capacity sufficient to care for entire city, on 400 acre farm purchased 3 years ago. Work may be done under supervision of H. T. Bascome, city engr. Cost between $3,000,000 and $4,000,000.

Pa., Coatesville—Until May 26, by city, building sewers, involving 1567 ft. 12, 15, 18 and 24 in. vitr. pipe. W. S. G. Cook, city clk.; advertised in this issue.

Pa., Farrell—See "Streets and Roads."

Md., Crisfield—City soon lets contract building sewerage system, involving 1¼ mi. terra cotta and iron pipe. Cost between $15,000 and $20,000. C. F. Richardson, mayor.

Ga., La Grange—City rejected bids received May 1, building 11 mi. sewers, sewage disposal plant, 4 mi. water mains, storage reservoir, 2 mi. transmission line, one 500,000 gal. filter and one 500 gal. per minute horizontal centrifugal pump, etc. New bids will be received in about 90 days. C. L. Smith, clk. Noted Apr. 17.

Mich., Ford (Wyandotte P. O.)—Village having plans prepared by M. L. Brown & Son, engrs., 823 Chamber of Commerce, Detroit, building 250 ft. 30 in. iron pipe sewer outlet, supported on wooden piles with wooden sheet piling and concrete saddles, cinder fill between sheet piling. About **$10,500.**

Sewers (Continued)

Ia., Hull—Town council soon receives bids building 5 mi. vitr. sanitary sewer in practically all streets in town. About $30,000. C. H. Currie, Webster City, engr.

Neb., Alliance—City plans to build 5550 ft. 12-39 in. sewers in business district. Grant & Fulton, Bankers Life Bldg., Lincoln, engrs.

Neb., Loup City—City having plans prepared for sanitary tile sewerage system. J. R. Wolf, city engr. About $30,000.

Wash., Seattle—Bd. Pub. Wks. rejected bids received Apr. 18, building Firland Sanitorium Sewer, involving 10,710 ft. 8 in. clay or concrete pipe. Noted May 8.

Ore., Portland—City soon lets contract building sewers in East 63rd and Halsey Sts., vitr. or cement pipe. About $343,519. Noted Feb. 27.

Cal., Santa Monica—See "Streets and Roads."

Que., Lachine—City voted $82,000 bonds to build 14 mi. sewers in various streets.

Ont., North Bay—Town had plans prepared by H. J. McAuslan, engr., North Bay, laying 1200 ft. 24 in. rein.-con. sewers in Worthington, Sherbrooke and Wylde Sts. Election soon to vote on bonds for project.

Ont., Tillsonburg—Town voted $29,000 bonds to build sewers in various streets. D. McQueen, Mayor.

BIDS DESIRED

Mass., Lynn—Until May 20, by city, building sewers, drains and appurtenances in Union St. W. L. Vennard, city engr. Metcalf & Eddy, 14 Beacon St., Boston, cons. engrs.

Conn., Stratford (Bridgeport P. O.)—Until June 9, by Bd. Sewer Comrs., furnishing material and labor to complete 4 mi. 8-24 in. sewers; also building sewage disposal plant, chlorine treatment house and tidal basin and sludge bed, including piping and grading, etc. F. S. Beardsley, chn.; advertised in this issue.

N. Y., Brooklyn—Until May 21, by E. Riegelmann, boro. pres., furnishing all labor and material building sewers in Ave. U from West 5th St. to point 47 ft. west of West 7th St. and from point 130 ft. west of West 7th St. to West 11th St., involving 1504 lin.ft. 102 in. storm sewer, etc.

N. J., Camden—Until May 19, by Com. Streets & Highways, building sewer in sections of Liberty, 8th, 32nd, 36th and Morgan Sts., Harrison, Lois, Hayes, River, Westfield and Trinity Aves. O. W. Johnson, ch. clk.

Pa., Meadville—Until May 27, by F. C. Kiebort, clk., building 2 mi. sanitary sewers; also sewage pump station, including two 12 hp. motors, two air compressors, one air tank and one 200 gal. ejector. Separate bids to be made on sewers and pump station. J. F. Miller, city engr.; advertised in this issue.

Ia., Garner—Until June 4, by H. V. Reed, clk., building system of sanitary sewers and sewage disposal plant; Sect. A. includes disposal plant, concrete tank, sand filters and sludge bed; Sect. B, outlet main sewer, involving 3750 lin. ft. 18-in. pipe and 6 manholes; Sect. C, lateral sewers, involving 35,289 ft. 8-18-in. pipe, 80 manholes and 24 flushtanks; advertised in this issue. Noted Sept. 19.

Tenn., Nashville—Until May 27, at office of Bd. Comrs., building (1) section Brown's Creek intercepting sewer, (2) section Richland Creek intercepting sewer, (3) group clay pipe sewers in streets and alleys between Hamilton and Jefferson Sts., and between Warren St. and 17th Ave. N. Work involves 975,000 brick and 6750 lin.-ft. clay pipe. J. W. Dashiell, secy.; advertised in this issue.

O., Conneaut—Until May 23, by Dir. Pub. Serv. building storm sewer in Broad St. from 15th St. to Park Ave. and Park Ave. from Broad to Harbor Sts., involving 6200 ft. trenching and backfilling, 6200 ft. 10-27-in. sewer, etc.; Madison St., from Orange to Bartlett Sts., involving 2020 ft. trenching and backfilling, 2020 ft. 10-15-in. sewer, etc.; 16th St., from Chestnut St. to Wright Ave. and Wright Ave. from 16th St. to New York Central R.R. right-of-way, involving 1905 ft. trenching and backfilling, 1905 ft. 10-15-in. sewer, etc. W. C. Dickey, clk.

Mich., Detroit—Until May 19, by Dept. Pub. Wks., City Hall, building Wetherby Ave. Sewer, Sect. 1, in Kirkwood, Chopin, Vernor and Wetherby Aves. from Long's Rd. to Warren Ave., involving 4774 ft. 13 ft. 6 in., 18 ft. plain concrete arch pipe with rein.-con. invert, Sect. 2, in Wetherby, Alaska and Livernois Aves. from Warren to Bonaparte Ave., 5739 ft. 13 ft. 6 in. x 18 ft. plain concrete arch pipe with rein.-con. invert; Lynch Rd. Sewer, Sect. 3, in Mt. Elliott and Charles Aves. from Lynch Rd. to point 1900 ft. west of Mt. Elliott Ave., 4680 ft. 10 ft. cylindrical pipe, Sect. 4, in Charles, Conant and McLean Aves. from point 1900 ft. west of Mt. Elliott Ave. to Monar St., 3924 ft. 9 ft. 6 in. x 9 ft. brick or plain concrete cylindrical pipe; Six Mile Rd. Sewer, Sect. 1, in Six Mile Rd. from Connor's Creek to Station 60, 6000 ft. 10 ft. 6 in. brick or plain concrete cylindrical pipe, Sect. 2, in Six Mile Rd. from Station 60 to Conant Ave., 6709 ft. 10 ft. 6 in. brick or plain concrete cylindrical pipe; Hart Ave. Pub. Sewer in Hart Ave. from Charlevoix to Mock Aves., 2458 ft. 20 in. crock pipe.

Mich., Detroit—Until May 19, by Bd. Pub. Wks., furnishing labor and material (except manhole rings and covers), and building and finishing complete, together with backfilling, 1251.5 ft. Harper Ave. Pub. Sewer in Harper and Gratiot Aves. from point 23 ft. west of west line of Gratiot Ave. to 91 ft. north of north line of Georgia Ave., brick or monolithic concrete cylindrical pipe. About $60,000. C. W. Hubbell, City Hall, engr. Noted Apr. 24.

Mich., Grosse Pointe—See "Streets and Roads."

Cal., Bishop—Until June 2, by A. D. Schiveley, clk., building sanitary sewerage system and sewage treatment tank. Olmsted & Gillelen, 112 Hollingsworth Bldg., Los Angeles, engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Mass., Boston—City let contract building 9000 ft. sewer in Center St., to A. Cefalo, Roslindale, $75,296. Work involves 1500 lin.ft. 3-in. concrete and 7500 ft. 6-20 in. vitr. pipes and 7000 cu.yd. earth trenching.

★Conn., Bridgeport—City let contracts building 1500 ft. sanitary and storm sewer in Spring St., to L. Jacques Constr. Co., 608 Montgomery Ave., Elizabeth, N. J., $24,868; also 5760 lin.ft. in Canfield Ave., to L. Petrossi, 39 Woodbridge Ave., Hartford, $6356; Pierce Mfg. Co., 785 Housatonic Ave., $14,142 and L. Jacques Constr. Co., 608 Montgomery Ave., Elizabeth, N. J., $23,549. Noted May 1.

★Conn., New Haven—City let contract building vitr. storm water and overflow sewer and appurtenances in Munson St. and Beaver Park lands between Canal and Crescent Sts., to Dwyer & Mannix, 333 Shelton Ave., $55,125. Noted Apr. 24.

★N. Y., Brooklyn—E. Riegelmann, boro. pres., let contract building sewers in Remsen and Utica Aves., to L. Kallsher, 1225 Myrtle Ave., $239,088. Noted Apr. 10.

N. Y., Brooklyn—E. Riegelmann, boro. pres., received bids May 7, building sewer in Rutland Rd., from Fenlack Constr. Co., $242,223; Rosenthal Eng. Co., 228 Jackson St., $242,511; C. Petracca, 800 Kent Ave., $266,399. Noted May 1.

N. J., Newark—Passaic Valley Sewerage Comn., 820 Essex Bldg., received lowest 3 bids building Sect. 20 Rutherford-East Rutherford and Wallington boroughs, from U. S. Drainage & Irrigation Co., 17 Battery Pl., New York City, $119,962; Bruno & Retitti, 18 Tremont St., Boston, Mass., $122,945; North Jersey Contg. Co., Dover, $124,525. Noted Apr. 3.

★N. J., Newark—Passaic Valley Sewerage Comn., 820 Essex Bldg., let contract building Sect. 30 of Newark Branch Sewer, to North Atlantic Constr. Co., 207 Market St., $251,865. Item incorrectly noted in our issue of Apr. 10.

★Md., Baltimore—See "Streets and Roads."

★Ohio, Akron—City let contract building brick sewer in South Main St. from West Thornton St. to south line West Crosier St., to Columbus Asphalt Paving Co., Citizens Bank Bldg., Columbus, $12,337. Noted Apr. 10 under "Streets and Roads."

O., Cleveland—City received bids building sewers in (a) Miles Ave. from East 133rd St. to city limits, involving 1400 ft. No. 4 C brick sewer, 1 junction chamber, 40,000 ft. B. M. plank and timber, 372 ft. 8-12-in. vitr. pipe, etc.; (b) Bellaire Rd. from Jasper Ave. to city limits, 905 ft. No. 3-5 C brick sewer, 500 ft. 12 and 15-in. vitr. pipe, etc., from P. W. Graham, 1274 West 108th St., (a) $20,978; W. McDowell, 10319 Miles Ave., (a) $22,252; Brookside Constr. Co., 3905 West 29th St., (a) $22,322, (b) $9747; N. Iafornaro, 3218 Murray Hill Rd., (b) $10,310; W. P. Gibbons, 240 Leader-News Bldg., $10,921.

Mich., Detroit—City received bids furnishing labor and material (except manhole rings, covers and iron steps) and building complete with backfilling vitr. crock lateral sewers, crocks varying from 12-18 in. together with specials and brick manholes, in (a) alley No. 3062, (b) No. 3116, (c) No. 3117, (d) No. 3118, (e) No. 3119, (f) No. 3120, (g) No. 2122, (h) No. 2123, (i) No. 2125, (j) No. 3126, (k) No. 3127, from R. D. Baker, 1415 Penobscot Bldg., (a) $3666, (b) $10,201, (c) $3693, (d) $3574, (e) $3630, (f) $26,230, (h) $2100, (i) $10,000, (j) $8800, (k) $3450; Western Constr. Co., 1208 Ford Bldg., (a) $4421, (b) $10,437, (c) $3849, (d) $3593, (e) $3467, (h) $2144, (i) $9242, (j) $9643; J. A. Mercier, Hammond Bldg., (a) $4886, (j) $10,650, (k) $4187; Brandon & Hanna Co., 1624 Dime Bank Bldg., (b) $11,000, (f) $22,500, (g) $24,000; Thorburn-Kean Co., Union Trust Bldg., (c) $3924, (d) $3924, (e) $3804, (h) $2219, (k) $4198; Blank & Co., Highland Park, (f) $18,103, (g) $22,000; Walker & Teetaert, Windsor, Ont., Can., (g) $28,550; R. L. Oakley, 486 Burlingame Ave., (i) $12,750. Noted May 1.

Mich., Detroit—Dept. Pub. Wks. received bids building Seven Mile Rd. Public Sewer from Woodward to Yakama Aves., 4781 ft. long, cylindrical section varying in size from 11 ft. 3 in. to 10 ft. in diam., brick or monolithic concrete, from J. Connelly Constr. Co., Dime Bank Bldg., $276,300; J. Porath, 34 McGraw Bldg., $354,800; Janes & Affeld, Ford Bldg., $359,000. Noted Apr. 17.

★Wis., Manitowoc—City let contract excavating and laying 3.7 mi. sewer in 8th St. from Langdon Ave. to city limits, to W. O. Bahr, 10th St., $36,670.

★Wis., Sheboygan—Bd. Pub. Wks. let contract building 2.8 mi. sewer in North 3rd St. from Bluff to Bell Aves., and Geele Ave. from North 3rd St. to North 6th St., involving 3710 lin.ft. 8-10 in. vitr. pipe, to South Side Hardware Co., 1512 South 12th St., $12,577.

Neb., Geneva—City received bids laying 14,000 ft. 8-15 in. rein.-con. and tile sewers and installing Imhoff tank and sprinkling filter, from S. A. Coneglia, Omaha, $30,225; A. A. Dobson Co., 945 D. St., Lincoln, $30,890; G. Vlasnik, 624 North 32nd St., Lincoln, $31,688.

★Mont., Whitefish—City let contract installing septic tank and building 7000 ft. 4, 8 and 12 in. vitr. and drain tile sewers in Lakeside Sewer Dist., to Two Miracle Co., 437 Ford Bldg., Great Falls, $19,400. Noted Mar. 20.

★Mo., Joplin—City let contract building 3 mi. tile sewer, to C. A. Dieter, Independent Bldg., $81,634.

★Tex., Ranger—City let contract building sanitary vitr. sewer system, to James Constr. Co., Guthrie, Okla., $155,000.

Ariz., Flagstaff—City received lowest bid building extension to sanitary sewerage system, from McLean & Walsh, El Segundo, Cal., $84,455 using vitr. clay pipe, $82,396 using cement pipe. Noted Apr. 10.

Cal., Los Angeles—Bd. Pub. Wks. received bids building cement sewers in Long Beach Ave. and 51st St. Sewer Dist., from P. D. Zaich, 2218 Sheridan St., $15,885; B. Deragno, Los Angeles, $19,965; M. Chutuk, 532 South Mathews St., $23,209.

Bridges

PROPOSED WORK

N. Y., Kingston—State Highway Comn., Albany, receives bids about July 1, building highway bridge over Rondout Creek, here. About $300,000. F. S. Green, state highway, comr.

W. Va., Pineville—Comrs. Wyoming Co. having plans prepared building 2 rein.-con. bridges over Barker's Run. About $10,000. A. B. Shannon, Mullens, engr.

Mich., Flint—City soon lets contract building 70 ft. rein.-con. bridge, 26 ft. wide, over Threat Creek on 2nd St. About $23,000. J. Shoecraft, city engr.

Bridges (Continued)

Que., L'Assomption—J. E. Duhamel, secy. municipal council, soon lets contract building concrete and steel bridge, concrete flooring, 340 ft. long, 18 ft. wide, over L'Assomption River. I. E. Vallee, Parliament Bldg., Quebec, engr. Noted May 8.

Que., Montreal—Canadian Pacific Ry., Windsor St. Sta., plans to rebuild Atwood Ave. bridge, also build new rein.-con. bridge on Seigneur St. About $400,000. J. W. Fairbairn, asst. ch. engr.

BIDS DESIRED

W. Va., Charleston—Until June 4, by Comrs. Kanawha and Lincoln Counties, building superstructure of steel highway bridge over Coal River below mouth of Alum Creek, to have one 200-ft. and one 80-ft. span.

W. Va., Danville—Until May 30, by Comrs. Boone Co., building steel highway bridge over Little Coal River, here, two 126 ft. spans, 16 ft. wide. About $15,000. S. E. Bradley, Madison, engr.

W. Va., Madison—Until May 30, by Comrs. Madison Co., building steel highway bridge over Coal River, here, two 103 ft. spans 16 ft. wide, cost $11,000. S. E. Bradley, Madison, engr.

W. Va., West Union—Until May 29, by Comrs. Doddridge Co. building 50-ft. concrete bridge over Clay Lick Run in Central Dist.; 80-ft. concrete arch bridge over McElroy Creek, at mouth of Big Flint Creek, and 60-ft. concrete bridge over Meathouse Fork, near mouth of Brushy Fork Creek, New Milton Dist. H. Hutson, co. clk.

Ga., Statesboro—Until May 28, by Comrs. Bulloch Co., building 7 rein.-con. bridges on Dixie-Overland Highway. About $40,000. J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, engrs.

Ga., Swainsboro—Until June 4, by Comrs. Emanuel Co., building 7 rein.-con bridges varying in size from 46 to 178 ft. in length, on Dixie-Overland Highway. About $61,000. J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, engrs.

Que., Brome—Until May 17, by G. F. Hall, secy. twp. council, building 50 ft. steel and concrete bridge, concrete flooring, 16 ft. wide, over Yamaska River, between here and Sutton. I. E. Vallee, Parliament Bldg., Quebec, engr.

Que., Chateau Richer—See "Streets and Roads."

Ont., Arthur—Until May 27, by Bowman & Connor, engrs., 31 Queen St., Toronto, building two 35-ft. slab, one 38-ft. arch truss, two 18-ft. slab, one 25-ft. arch truss and two 14-ft. slab bridges, all rein.-con., 16 ft. wide, for Twp. About $30,000.

Ont., Arthur—Until May 20, by E. Gainer, clk. Peel Twp., building 115 ft. bridge, 16 ft. wide, with concrete abutments, in Peel Twp. About $20,000. Bowman & Connor, 31 Queen St., W., Toronto, engrs.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Holyoke**—Bd. Pub. Wks. let contract building deck steel girder bridge over levee canal on Appleton St., (steel work encased with rein.-con.), to Eastern Bridge & Structural Co., 88 Crescent St., Worcester, $28,400. Noted Mar. 13.

★**Pa., Wehrum**—Town let contract building bridge over Black Lick Creek, to M. Bennett & Sons, Indiana, $18,973.

★**Va., Winchester**—State Highway Comn., Richmond, let contract building several bridges in Frederick Co., to R. A. Figgatt, Roanoke, $12,811.

★**Ia., Council Bluffs**—Comrs. Pottawatamie Co. let contract building four 18 x 75 ft. pony truss bridges on piling and 4 concrete box culverts, in various townships, to Wickham Bridge & Pipe Co., 400 Commercial Natl. Bank Bldg., $22,449. Work involves 212 cu.yd. rein.-con., 2800 lin.ft. wood piling, 89 tons structural and 6¼ tons reinforcing steel, etc.

★**Ia., Fairfield**—Comrs. Jefferson Co. let contracts to Cameron & Joyce Co., Keokuk, building 26 concrete box culverts and 26 circular concrete culverts involving 913 cu.yd. rein.-con. and 31 tons reinforcing steel, $19,177; Des Moines Bridge & Iron Co., Tuttle St. between 9th and 11th Sts., Des Moines, one 20 x 20 ft. concrete slab bridge, one 16 x 20 ft. concrete slab bridge and two 18 x 60 ft. pony truss bridges, on concrete abutments, 508 cu.yd. rein.-con., 3296 lin.ft. wood piling and 27 tons structural and 18 tons reinforcing steel, $20,000.

★**Ia., Leon**—Comrs. Decatur Co. let contract building two 24 x 24 ft. concrete slab bridges, one 12 x 12 x 48 ft. skew concrete box culvert, one 16 x 24 ft. I beam bridge, one 18 x 24 ft. I beam on concrete abutments, one 6 x 7 x 46 ft. concrete box culvert and one 18 x 20 ft. I beam bridge, to Koss Constr. Co., 2818 5th St., Des Moines, $22,696. Work involves 1460 cu.yd earth excav., 865 cu.yd. rein.-con., 10 tons structural and 23½ tons reinforcing steel. Noted Apr. 24.

★**Ia., Rock Rapids**—Comrs. Lyon Co. let contracts, to Federal Bridge Co., 1122 Equitable Bldg., Des Moines, building one 18 x 45-ft. pony truss bridge and 3 I-beam bridges, all on concrete abutments, also one 6 x 6 ft. box culvert, involving 416 cu.yd. concrete, 23 tons structural and 12½ tons reinforcing steel and 2766 lin.ft. wood piling, $13,591; T. J. Cookley, 2 box culverts, $904.

★**Ia., Toledo**—Comrs. Tama Co. let contract building 31 concrete box culverts, to A. P. Muuson, Marion, $26,648. Work involves 1821 cu.yd. earth excav., 1071 cu.yd. rein.-con. and 36½ tons reinforcing steel.

★**Minn., Minneapolis**—City will build bridge over Mississippi River on Franklin Ave., 55 ft. wide, 2 side spans 200 ft. long and 2 end spans, 60 ft. long. About $200,000. Work will be done by day labor. Bids will soon be received furnishing material for above work. Noted Feb. 6.

★**Wash., Toledo**—State Highway Com., Olympia, let contract building steel bridge over Cowlitz River, on Pacific Highway, here, consisting of four 180-ft. spans and approaches, to O. E. Heintz, 636 Vista St., Portland, $128,922. Noted Apr. 17.

★**Cal., Los Angeles**—Bd. Supervs. Los Angeles Co. let contract building 60 ft. single span Howe truss timber bridge with pile foundation over San Gabriel River on Center St., to Ross Constr. Co., Forum Bldg., Sacramento, $22,962. Noted May 8.

★**Ont., Peterboro**—City let contract building 11-arch rein.-con. bridge, brick center arch, 1050 ft. long, 44 ft. wide, over Otonbee River, to Russell Townsend Co., Harbor Bldg., Toronto. About $249,000. Cost plus 10% basis. Noted Mar. 13.

Structural Steel

PROPOSED WORK

Cal., Modesto—See "Industrial Works."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ia., Fairfield**—See "Bridges."
★**Ia., Toledo**—See "Bridges."
★**Wash., Toledo**—See "Bridges."

Reinforced Concrete

PROPOSED WORK

N. Y., Buffalo—See "Industrial Works."
Wash., Vancouver—See "Buildings."
Que., Montreal—See "Bridges."

BIDS DESIRED

Pa., Bridgeville—See "Miscellaneous."
Ga., Statesboro—See "Bridges."
Ga., Swainsboro—See "Bridges."
Que., Chateau Richer—See "Streets and Roads."
Ont., Arthur—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—See "Industrial Works."
★**Conn., Windsor Locks**—See "Industrial Works."
★**Pa., Milton**—See "Industrial Works."
★**Ia., Fairfield**—See "Bridges."
★**Ia., Leon**—See "Bridges."
★**Ia., Rock Rapids**—See "Bridges."
★**Ia., Toledo**—See "Bridges."
Mo., Kansas City—See "Waterworks."
★**Cal., Fresno**—See "Industrial Works."
Cal., San Francisco—See "Buildings."

Streets and Roads

PROPOSED WORK

Connecticut—State Highway Comn., Capitol, Hartford, soon receives bids building concrete road from Norwich to Westerly, R. I. About $200,000. C. J. Bennett, state highway engr.

Connecticut—State Highway Comn., Capitol, Hartford, plans to build road from Hartford to New London. C. J. Bennett, state highway engr.

N. Y., Brooklyn—E. R. Riegelman, boro. pres., rejected bids received Apr. 23, regulating and repaving with permanent asphalt on 6-in. concrete base, Manhattan Ave. from Grand to Cook Sts. Noted Apr. 17.

N. J., Jersey City—City receives bids about May 19, repairing Johnston Ave. Belgian block. Cost to exceed $10,000. Noted Apr. 24.

N. J., Jersey City—City plans to improve Grand St. from Mill Creek to Junction, cost $25,000; Communipaw Ave. from Junction to Morris Canal Bridge, $10,000; Newark Ave. from West Side Ave. to Warren St., $25,000, all granite block.

N. J., North Bergen—See "Sewers."

N. J., North Bergen—City having plans prepared repairing 20th St., granite block. About $30,000.

N. J., Roselle (Elizabeth P. O.)—Bd. Freeholders Union Co. (Elizabeth) plans to pave Chestnut St. from 1st to St. George Aves. About $118,000. A. Bauer, co. engr.

Pa., Farrell—City voted $212,000 bonds to pave and build sewers in various streets. Noted Apr. 17.

Pa., Pittsburgh—City passed ordinance to grade, pave and curb Hillcrest St. from North Fairmont to North Rebecca Sts., $35,000; Blackhawk St. from Pocono St. to city line, $13,000; Commercial St. from Blackhawk to Whipple Sts., $15,000; Homestead St. from Nevada to Pocono Sts., $32,500; Pocono St. from Whipple St. to city line, $18,500; Whipple St. from Goodman St. to city line, $45,000. T. M. Reed, City County Bldg., engr.

Pa., Scranton—City plans to grade, pave and curb with sheet asphalt and stone blocks, on concrete base, Pittston Ave. from Breck to Sanders Sts.; Sanders St. from Pittston to Birney Aves., Birney Ave. from Sanders St. to city limits, and Lackawanna Twp. line, in 20th Ward, cost $60,798; Vine St. from Taylor to Arthur Aves., $39,716; Irving Ave. from Mulberry to Pine Sts., 17th and 10th Wards, $29,100 and from Myrtle to Ash Sts., 10th Ward, $10,488. W. A. Schunk, city engr.

Pa., Washington—Washington Co. election June 17 to vote on $1,000,000 bonds for road work.

Virginia—State Highway Comn., Richmond, soon lets contract building 3½ mi. Project No. 32, bituminous, Fairfax Co.; 5¾ mi. Project No. 42, top soil, King George Co.; on last named project State will furnish (not to exceed) 40,000 convict labor hours at 20c. per hour. G. P. Coleman, state highway comr.

W. Va., Marlington—Comrs. Pocahontas Co. having plans prepared surfacing 5 mi. Marlington-Huntersville Rd., 14 ft. wide, involving 19,000 cu.yd. excav. About $20,000. F. Baxter, Marlington, engr.

W. Va., Morgantown—Comrs. Monongalia Co. rejected bids building Chestnut-Ridge Rd., Sabration-Dellslow Rd. Stewartstown Rd. and Charles Ave. L. Cox, Morgantown, engr. Noted May 1.

W. Va., New Cumberland—Hancock Co. election May 24, to vote on $100,000 bonds to build roads. C. E. Grafton, New Cumberland, engr.

W. Va., Parkersburg—Comrs. Wood Co. having plans prepared building 2 mi. Parkersburg-Elizabeth Turnpike, 16 ft. wide, involving 3500 yd. excav. and 18,800 sq.yd. of cement concrete surface, cost $36,000; 3 mi. Northwestern Turnpike, 16 ft. wide, 5000 cu.yd. grading and 28,000 sq.yd. of cement concrete surface, $56,000. Burdette & Woodyard, Parkersburg, engrs.

W. Va., Point Pleasant—Comrs. Mason Co. plan election soon to vote $70,000 bonds to improve all roads in Wagoner Dist.; also $65,000 bonds for roads in Graham Dist. G. F. Childs, Point Pleasant, engr.

W. Va., Princeton—Comrs. Mercer Co. having plans prepared building 6 mi. Princeton-Flattop Rd., 16 ft. wide, involving 28,000 cu.yd. excav. and 54,000 sq.yd. of waterbound macadam. About $80,600. E. C. Barton, Bluefield, engr.

W. Va., Winfield—Comrs. Putnam Co. soon receive bids grading 3 mi. James River and Kanawha Turnpikes, 18 ft. wide. About $26,000. G. H. Davis, Winfield, engr.

Streets and Roads (Continued)

Ga., Camilla—City having plans prepared by J. B. McCrary, 3rd Natl. Bank Bldg., Atlanta, paving 2 mi. streets with brick, concrete or asphalt. Noted May 1.

Ga., Douglas—City election May 20 to vote on $20,000 bonds to pave various streets. If election carries $60,000 will be expended. O. H. Lang, Moultrie, engr.

Ga., Thomasville—Thomas Co. voted $700,000 bonds to build roads. S. L. Heald, clk. Noted Apr. 24.

Ga., Valdosta—Lowndes Co. election May 28 to vote on $500,000 bonds to build roads. Federal Government will be asked to appropriate like amount if election carries.

Fla., Bartow—Polk Co. soon receives bids improving roads. Bonds for $40,000 voted for project.

Fla., Miami—City plans to spend $100,000 to improve streets and build storm and sanitary sewers. C. W. Murray, Miami, engr.

Ala., Attalla—City soon receives bids paving 5th Ave. About $60,000. Noted Mar. 20.

Miss., Clarksdale—Bd. Supervs. Coahoma Co. rejected bids received Apr. 30 resurfacing 10 mi. roads. Noted Apr. 17.

Ohio—State Highway Comn., Columbus, soon lets contract grading, paving, building bridges and culverts on 4.18 mi., Sect. I, Columbus-Millersburg Rd., waterbound macadam, Knox Co. About $46,057.

Ohio—State Highway Comn., Columbus, plans to build following Federal Aid roads:

Ashland Co., section of Ashland-Wooster Rd., 3.8 mi., grading and paving, $32,000.

Auglaize Co., section of Wapakoneta-St. Mary's Rd., 6.52 mi., grading and paving $104,320.

Section of Wapakoneta-Bellefontaine Rd., 7.8 mi., grading and paving, $45,680.

Erie Co., section of Lima-Sandusky Rd., 3.045 mi., grading and paving, $30,000.

Columbiana Co., section of Lisbon-East Liverpool Rd., grading and paving, $35,000.

Knox Co., section of Columbus-Wooster Rd., grading and paving, 3 mi., $50,000.

Wood Co., section of Findlay-Bowling Green Rd., 6.1 mi., grading and paving, $90,000.

O., Bowling Green—Comrs. Wood Co. having surveys and plans prepared grading, draining and paving 1¼ mi. Spangler Stone Rd. J. Gallier, Bowling Green, engr.

O., Fayette—City soon lets contract paving 2325 ft. South Fayette St. from Main St. to south corporation line, 16-24 ft. wide. Work involves 6820 sq.yd. vitr. brick, concrete or bituminous concrete on 6 in. concrete base, 4380 cu.yd. earth excav. and 2865 ft. 12 in. sewer. About $25,196. G. Champe, Nasby Bldg., Toledo, engr.

O., Toledo—City receives bids about June 19, repaving 750 ft. Front St. from Main to Oak Sts., 48 ft. wide, involving 4020 sq.yd. vitr. brick, 300 lin.ft. curbing and 1060 cu.yd.earth excav., cost $13,971; 1625 ft. Bancroft St. from Vermont Ave. to Cherry St., 36 ft. wide, 6550 sq.yd. vitr. brick, 400 lin.ft. curbing and 2200 cu.yd. earth excav., $36,200. H. C. McClure, city engr.

O., Toledo—City plans to grade, drain, pave and curb 248 ft. Martha St. from Berdan to Phillips Aves., 24 ft. wide, involving 1749 cu.yd. earth excav., cost $16,-131; 1259 ft. Bricker Ave. from Stickney Ave. to Brigham St., 24 ft. wide, 2175 cu. yd. earth excav., $14,966; 1259 ft. Booth Ave. from Stickney Ave. to Brigham St., 24 ft. wide, 1874 cu.yd. earth excav., $16,-591. H. C. McClure, city engr.

O., Toledo—Comrs. Lucas Co. having surveys made and plans prepared grading, draining and paving 7 mi. Sylvania-Metamora Rd. No. 45, from Berkley Rd. No. 45 to paving on Indiana Ave., 16 ft. wide, concrete; 4.5 mi. Brint Rd. No. 8 from Richfield Twp. line to Holland-Sylvania I. C. H. No. 58, 14 ft. wide, waterbound macadam. C. L. Rood, co. engr.

O., Willoughby—City receives bids in June for 48,000 yd. brick paving. C. D. Clark, city engr.

O., Xenia—City election May 20, to vote on $25,000 bonds for 4000 lin.ft. brick paving. K. Riddle, city mgr.

Michigan—State Highway Comn., Lansing, soon lets contract grading, surfacing or paving, shaping road and furnishing necessary drainage structures for 2.033 mi. Assessment Dist. Rd. No. 116, 12 ft. wide, Denver Twp., 4.014 mi. Rd. No. 117, 12 ft. wide, Wise Twp., Isabella Co.; 2.487 mi. Assessment Dist. Rd. No. 59, 16 ft. wide, Orange Twp., Ionia Co.; 3.02 mi. Assessment Dist. No. 46, 14 ft. wide, Ridgeway Twp., Lenawee Co.; all Class B gravel or Class C stone or slag bottom with gravel top; 6.5 mi. Federal Aid Rd. No. 31, between Hartford, Watervliet and Berrien Twps., 16 ft. wide, concrete, Van Buren and Berrien Counties. F. F. Rogers, comr.

Mich., Corunna—Comrs. Shiawassee Co. soon let contract grading and surfacing 33¾ mi. road, 9 ft. wide, Class B gravel, and 2½ mi. road, 16 ft. wide, Class B trunk line gravel.

Mich., Detroit—Bd. Pub. Wks. soon receives bids paving with one course concrete alleys Nos. 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, involving 5462 cu.yd. excav., 14,070 sq.yd. one course concrete and 12,080 lin.ft. 2 x 6 in. retaining plank, etc. C. W. Hubbell, city engr.

Ia., Albia—Bd. Supervs. Monroe Co. soon receives bids grading 8.3 mi. Federal Aid Rd. No. 20, 24 ft. wide, involving 116,444 cu.yd. excav. About $49,877. C. U. Bair, co. engr.

Ia., Manchester—Bd. Supervs. Delaware Co. soon receives bids grading and gravel surfacing 14.7 mi. Federal Aid Project No. 4, 24 ft. wide. About $30,888. Work involves 267 sq.yd. concrete, 33,527 cu.yd. gravel and 53,426 cu.yd. earth excav., etc. H. Klaus, co. engr.

Minn., Hastings—Comrs. Dakato Co. receive bids in June grading and graveling 6 mi. Cedar Ave.-Farmington Highway. About $100,000. C. L. Methven, Hastings, engr.

Minn., Minneapolis—Comrs. Hennepin Co. receive bids in June grading and graveling 10 mi. road from end of Cedar Ave. bridge to Farmington. About $100,000. E. E. Terrell, Co. engr. Noted Apr. 3.

Kan., Burlington—City receives bids about June paving various streets. About $100,000.

Neb., Alliance—City receives bids about June, paving 15½ blocks, 22½-72 ft. wide. About $125,000. Grant & Fulton, Lincoln, engrs.

Neb., Lincoln—T. H. Berg, clk., receives bids about June 7, paving 6360 ft. Starr, Franklin, Park, J., 19th, 25th and 30th Sts., 25 ft. wide. Work involves 16,800 sq.yd. asphaltic concrete on 5 in. concrete base, 13,000 lin.ft. combined curb and gutter. About $55,000. G. B. Bates, city engr.

Neb., Lincoln—Lancaster Co. plans to pave 7 mi. O St., 10.5 mi. Bennett Rd., 10 mi. O. L. D. Highway, 4 mi. South 14th St. and 2.5 mi. road east from University Pl. About $1,500,000. Federal Government will appropriate toward cost. A. H. Edgren, co. engr.

Neb., Lyon—City receives bids in June paving 2½ blocks Main St., 64 ft. wide. About $30,000. Grant & Fulton, Lincoln, engrs.

Mont., Billings—City rejected bid received Apr. 1, paving 95,000 sq.yd. North 31st St. Noted Apr. 24.

Mont., Bozeman—City plans to pave Koch Ave., from 3rd to 6th Aves. bitulithic. About $10,324. C. C. Widener, city engr.

Mont., Chinook—Blain and Fergus Counties plan to improve 100 mi. of Chinook-Lewistown Rd. Federal Government and state will appropriate toward cost. P. D. Pratt, Helena, state highway engr.

Mont., Hardin—City plans to pave Custer Ave., from North Railway St. to 5th St. and 1 block of 2nd, 3rd, 4th, 5th and North Railway Sts., Dist. No. 14, cost $36,000; Center Ave. from Chicago Burlington and Quincy R.R. to 5th St., Cheyenne Ave. from North Railway St. to 3rd St. and 1 block of 2nd, 3rd, 4th and 5th Sts., Dist. No. 13, $38,000. E. C. Flickinger, city engr.

Mont., Miles City—Custer Co. plans election to vote on $300,000 bonds to build roads. Federal Government will appropriate toward cost. D. Pratt, Helena, state highway engr.

Mont., Missoula—Comrs. Missoula Co. appropriated $27,838 bonds to build and repair roads. F. T. Stoddard, 336 South 5th St., co. surv.

Mont., Virginia City—Madison Co. plans to build roads by day labor. About $44,-000 available. C. C. Adams, Twin Bridges, engr.

Mo., Sedalia—Pettis Co. election June 3, to vote on $500,000 bonds to build roads. T. O. Stanley, highway engr.

Ark., Blytheville—Comrs. Mississippi Co. having plans prepared building 16 mi. hard surface road in Blytheville-Barfield Rd. Dist., probably asphaltic concrete. Pride & Fairley, Blytheville, engrs.

Ark., Blytheville—Comrs. Mississippi Co. plan to build 50 mi. hard surfaced road in Osceola Special Act Dist., 16 ft. wide, probably asphaltic concrete. About $1,500,-000. Pride & Fairley, Blytheville, engrs.

Tex., Brownwood—Comrs. Brown Co. soon let contract grading 10.98 mi. Highway No. 10, beginning 8½ mi. east of Brownwood and extending through Blanket to Comanche Co. line, 60 ft. wide. Work involves grading entire distance and placing crushed rock or gravel surface on same, also bituminous surface treatment, and placing 700 cu.yd. concrete in drainage structures. R. A. Nichols, engr.

Tex., Haskell—Comrs. Haskell Co. plan to improve 16.797 mi. road known as Highway No. 39, 20 ft. wide. About $33,865. Plans include surfacing with sand clay, clearing, grubbing, building drainage structures and grading 10.1 mi. involving 6982 cu.yd. earth and 30,898 cu.yd. borrow excav. and 9500 lb. steel. O. Leonard, Haskell, engr.

Tex., Pittsburg—Camp Co. plans to improve 9.91 mi. Pittsburg-Leesburg Rd. from near Pittsburg to Newsome and beyond, 9 ft. wide. Plans include paving with rock and gravel, clearing, grubbing, grading, etc. About $65,665. H. S. Wilder, c/o Wilder & O'Neal, 323 Chronicle Bldg., Houston, engr.

Tex., San Augustine—San Augustine Co. had plans prepared improving 17.89 mi. Highway No. 8, 15 ft. wide. Work includes clearing, grubbing, grading, ditching, etc., and paving with sand, etc. H. S. Wilder, c/o Wilder & O'Neal, 323 Chronicle Bldg., Houston, engr.

Tex., Seymour—Baylor Co. plans to improve 4.313 mi. Highway No. 30, 15 ft. wide. Work includes clay surface, necessary drainage structures, concrete culverts, etc. About $18,760. Colvin E. Cock, Seymour, engr.

Tex., Sherman—Grayson Co. plans to gravel surface, grade and drain Van Alstyne-Anna Link of Henry Exall Highway, 14 ft. wide. About $14,308. J. C. Field & Co., Denison, engr.

New Mexico—State Highway Comn., Santa Fe, rejected bids received Apr. 24, for 45 mi. Federal Aid Rd. Projects in Colfax Co., from Raton north to Colorado state line; Santa Fe Co. from Santa Fe south to Pankeys gate; Chaves Co. through Mescalero sands from Roswell to Comanche Springs. Noted Apr. 3.

Idaho, Boise—City passed resolution to build 14,256 lin.ft. concrete sidewalks and 14,377 ft. concrete curbing in Impvt. Dist. No. 36. About $21,019. C. C. Stevenson, city engr.

Wash., Spokane—Spokane Co. plans election to vote on $3,500,000 bonds to build roads. A. R. Scott, co. engr.

Ore., Enterprise—City plans to improve North Main, Greenwood, East 1st, River, West 1st and West 2nd Sts. About $100,-000 O. J. Roe, city recdr.

Ore., Marshfield—City soon lets contract hardsurfacing and building concrete walks on Bway. from Market Ave. to Front St., N., and Park Ave. west of Bway. About $40,000. E. K. Burton, Astoria, city engr. Noted Apr. 3.

Ore., McMinnville—Yamhill Co. petitioned to permit election to vote on $360,000 bonds to build roads.

Ore., Til'amook—City plans to expend $14,676 to improve streets and avenues. F. B. Stranahan, city recdr.

Cal., Chula Vista—City receives bids in June paving 3¾ mi. 2nd and 3rd Aves., E. F and 2nd Sts., 3 mi. 3 in. bituminous base with 1½ in. Warrenite surface, ½ mi. 4 in. bituminous base with 1½ in. Warrenite surface and ½ mi. 5 in. concrete base without surface. E. M. Lynch, Central Bldg., Los Angeles, engr.

Cal., San Diego—City plans to pave 11,950 sq.yd. Grand Ave. and Garnet St., 20 ft. wide, involving 26,451 sq.yd. 4 in. concrete base; 17,191 sq.yd. Moren Blvd., 20 ft. wide, with bitulithic, (Warrenite), wearing surface on concrete base, 38,101 sq.yd. 4 in. concrete base. G. Cromwell, city engr.

Streets and Roads (Continued)

Cal., Santa Monica—City having plans prepared by W. H. Carter, comr. pub. wks. improving 40,000 ft. streets in Palisades Sect. Plans include grading, paving, cement curbs, concrete gutters, culverts, ornamental lighting system, sewers, etc. About $500,000.

Quebec—Provincial Government, Quebec, plans to build 120 mi. gravel road between here and Chambord. About $1,000,000. G. Henry, Parliament Bldg., engr.

Ont., Toronto—City Council recommended following street improvements: concrete sidewalks on Drayton, Silver Birch, Seaforth and Oakcrest Aves.; cost, $24,552; grading Glenlake Ave., $15,431; building 5500 sq.yd. bitulithic pavement on Silver Birch, Willow, Alberta, Symmington, Wellesley and Kennedy Aves., $120,000. R. C. Harris, road comr.

BIDS DESIRED

Massachusetts—Until May 20, by State Highway Comn., Boston, building 4000 ft. town road, 18 ft. wide, Tewksbury Twp., bituminous macadam, penetration method. A. W. Dean, state highway engr.

N. Y., Albany—Until May 19, by Bd. Contr. & Supply, improving Euclid and Lenox Aves., involving 5560 sq.yd. asphalt, 420 cu.yd. excav., 30 lin.ft. concrete curbing, 100 sq.ft. concrete sidewalk, cost $15,-600; Homestead Ave. involving 4270 sq.yd. asphalt, 30 cu.yd. concrete, 1300 cu.yd. grading, 3220 lin.ft. concrete curbing, 14,-000 sq.ft. concrete sidewalk, $24,000. I. Wacksman, secy. F. R. Langan, city engr.

N. Y., Brooklyn—Until May 21, by E. Riegelmann, boro. pres., regulating and repaving with permanent asphalt on 6 in. concrete foundation a strip 18 ft. wide in center of Bay 22nd St. from 86th St. to Cropsey Ave., Warren St. from 3rd to 5th Aves. and Prospect Pl. from 5th to Flatbush Aves.; 29 ft. wide in center of 65th St. from 5th to New Utrecht Aves.; also with permanent grade 1 granite on 6 in. concrete foundation, River St. from North 3rd St. to Metropolitan Ave.

N. Y., S. I., St. George—Until May 21, by C. D. Van Name, pres. Richmond Boro., building concrete sidewalk on south side Richmond Terrace between Andros and Western Aves., involving 5400 sq.ft. concrete, 262 cu.yd. excav.

New Jersey—Until May 28, by State Highway Comn., Broad St. Bank Bldg., Trenton, building Sect. 1 A State Highway Route No. 10, from Ft. Lee Ferry to Arcadian Way, Bergen Co. About $481,000. A. L. Grover, ch. clk.

N. J., Beverly—Until May 20, by city, laying, grading, paving, repaving and improving cement or concrete sidewalks, curbs and crosswalks, involving 315,000 sq.ft. sidewalks and crosswalks and 70,000 lin.ft. curbing. A. F. Brelsford, clk.; advertised in this issue.

N. J., Hillsdale—Until May 21, by Town Council, building 2500 sq.yd. cement concrete pavement on Railroad Ave. J. E. Thier, superv. of rds.; advertised in this issue.

N. J., Westwood—Until May 21, by Boro. Council, building 10,000 sq.yd. cement concrete pavement on Railroad Ave. J. E. Thier, superv. of rds.; advertised in this issue.

Pa., Ebensburg—Until May 30, by Supervs. Jackson Twp., c/o Cambria Co. Controller, furnishing material and labor required in rebuilding 6387 ft. road from Mundays Corner to boro. line of Nant-Y-Glo, Jackson Twp., 16 ft. roadway, vitr. brick paving block on combination concrete base and curb or 2 course rein.-con.

Pa., Johnstown—Until May 20, by M. L. Masterson, supt. streets and impvts., curbing, grading and paving Buck Ave. and Solomon St. from Bedford St. to city line, involving 9000 sq.yd. brick paving, 947 lin. ft. 12-36 in. storm and 4015 lin.ft. 8-in. sanitary sewers and appurtenances; Ridge Ave. from Horrocks Ave. to end of avenue 1540 sq.yd. brick paving, 732 lin.ft. 8-15 in. storm and 828 lin.ft. 8-in. sanitary sewers; Church Ave. from angle in avenue to end of avenue, 1628 sq.ft. brick paving, 726 lin.ft. 8-in. sanitary sewer and appurtenances; Sect. No. 3 sanitary sewer, main and appurtenances from Hagan St. to 10th Ave., 1657 lin.ft. 63-in., 2336 lin.ft. 60-in. and 4 lin.ft. 54-in. siphon line in Conemaugh River, 2 siphon chambers, emergency outfall chamber, 2 lines 39-in. r.c. pipe, 350 lin.ft. each and Elk Run auxiliary siphon.

Pa., Pittsburgh—Until May 29, by Controller Allegheny Co., building West Run Rd. from 8th Ave. in Homestead Boro., southwardly, 16 ft. wide, involving 5280 ft. vitr. brick and concrete on 6-in. concrete base; also Tarentum & Culmerville Ridge Rd. from East St., in Boro. of Tarentum, northwardly, 16 ft. wide, involving 6000 ft. waterbound macadam. R. V. Warren, Court House, engr.

Maryland—Until May 20 by State Rds. Comn., 601 Garrett Bldg., Baltimore, building 4.68 mi. state highway, Federal Aid Project No. 24, from Cumberland to Brady Lane near Cresaptown, concrete, Alleghany Co., Contr. A-17; 0.93 mi. road, Federal Aid Project No. 27, through Reistertown from end of concrete road to Hitshue's corner, 37 ft. concrete road with combination curb and gutter (40 ft. between curbs), United Rys. & Electric Co. tracks in center, Baltimore Co., Contr. B-34; 2.78 mi. Baltimore-Washington Blvd. from new city limits to Baltimore & Ohio R.R. overhead crossing near Relay, sheet asphalt on existing concrete base, Baltimore Co., Contr. B-W-A; surfacing 1.38 mi. road, Federal Aid Project No. 7, Sect. B, between North East and Elkton, gravel; Cecil Co., Contr. Co.-26; 2.15 mi. road from end of Contr. D-19 near Madison to beginning of Contr. No. 466 at Parsons Creek, concrete, Dorchester Co., Contr. D-19 B. F. H. Zouck, chn.; advertised in this issue.

Maryland—Until May 27, by State Rds. Comn., 601 Garrett Bldg., Baltimore, building 2 mi. Hanover Pike from Hitshue's Corner, Reistertown, to near Woodensburg, Federal Aid Project No. 26, concrete, Contr. B-31, Baltimore Co.; 2.08 mi. highway from end of concrete road near Harrisville to eastern limits of Rising Sun, Federal Aid Project No. 18, concrete, Contr. Ce-28, Cecil Co.; 0.92 mi. highway through Aberdeen from western limits to Baltimore & Ohio R.R. crossing and from Pennsylvania R.R. crossing to eastern limits, concrete, Contr. H-22, Harford Co.; 2.6 mi. highway from Jarretsville to Bethel Church near Cathcart, Federal Project No. 17, concrete, Contr. H-25, Harford Co.; 2.12 mi. highway from Oakland toward Hutton via Crellin, Federal Aid Project No. 4, concrete, Contr. G-13, Garrett Co. F. H. Zouck, chn.; advertised in this issue.

Virginia—Until May 20, by State Highway Comn., Richmond, building 5.3 mi. macadam road from Winchester to Opequon, Frederick Co.; 8 mi. slag road from Longdale Furnace to Wilson Creek, Alleghany Co.

W. Va., Kingwood—Until June 2, by Comrs. Preston Co. building 3.8 mi. Caddell-Rag Tavern Rd., 14 ft. wide, involving 17,-000 cu.yd. excav., etc. About $23,000. H. E. Wilhelm, Hening Bldg., Kingwood, engr. Noted May 1.

W. Va., Kingwood—Until June 2, by Comrs. Preston Co., grading and draining 4 mi. road between Caddell and Terra Alta, 22 ft. wide, involving 17,000 cu.yd. excav. About $22,000. H. E. Wilhelm, Hening Bldg., Kingwood, engr. Noted Mar. 13.

W. Va., Spencer—Until May 23, by Comrs. Roane Co. furnishing materials and laying concrete pavement on roads in Walton and Spencer Dists. W. R. Carpenter, clk. Noted May 8.

W. Va., Wayne—Until June 2, by Comrs. Wayne Co. grading and surfacing 2 mi. Wilson Creek-Elmwood Rd., 16 ft. wide, vitr. brick, asphalt concrete or concrete, on concrete base. Noted May 8.

W. Va., Wayne—Until June 2, by Comrs. Wayne Co. building 2 mi. Kenova Class A Rd., 16 ft. wide, brick, concrete or asphaltic concrete, on concrete base. H. A. Levering, co. engr. Noted May 1.

W. Va., West Union—Until May 29, by Comrs. Doddridge Co. building concrete road, 16 ft. wide, on North Western Virginia Turnpike, beginning at West Union and Grant Dist. line and extending eastward for distance of 3 mi., also one beginning at West Union and Central Dist. line, and extending westward for distance of 3100 ft. H. Hutson, co. clk.

W. Va., West Union—Until May 29, by Comrs. Doddridge Co. grading and hard surfacing 0.58 mi. Greenwood-West Union Rd., 16 ft. wide, concrete. About $20,000. Horner Bros, Clafksburg, engrs. Noted May 8.

Ga., Metter—Until June 5, by Comrs. Candler Co., grading and top soiling 17 mi. Dixie-Overland Highway. About $37,-000. J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, engrs.

Ala., Heflin—Until May 23, by Comrs. Cleburn Co., grading, draining and surfacing with chert part of Heflin and Anniston Rd., 3.5 mi. long. Work involves 9.2 acres clearing and grubbing, 33,392 cu.yd. earth and 4000 cu.yd. rock excav., 950 lin.ft. vitr. pipe, 31,645 ft. lumber, 74 cu.yd. concrete and 3438 cu.yd. chert surfacing. W. S. Keller, Montgomery, state highway engr. Noted May 23.

Ohio—Until May 26, by State Highway Comn., Columbus, building roads in following counties:

Ashland Co., Sect. "B," Ashland-Wooster Rd., 3.8 mi., grading, constructing bridges and culverts and paving with concrete or monolithic brick, $125,831.

Ashtabula Co., Sect. "H, O & P," Cleveland-Buffalo Rd., 11.92 mi., building gutter and curb, $63,000.

Auglaize Co., Sect. "A-3," Wapakoneta-St. Marys Rd., 2.19 mi., grading, constructing bridges and culverts and paving with brick or concrete, $85,852.

Auglaize Co., Sect. "B-1," Wapakoneta-St. Marys Rd., 2.29 mi., grading, constructing bridges and culverts and paving with brick or concrete, $86,449.

Auglaize Co., Sect. "B-2," Wapakoneta-St. Marys Rd., 2.05 mi., grading, constructing bridges and culverts and paving with brick or concrete, $76,653.

Columbiana Co., Sect. "E-1," Lisbon-Canton Rd., building bridges, $13,600.

Defiance Co., Sect. "E," Hicksville-Defiance Rd., 3.21 mi., grading, constructing bridges and culverts and paving with reinforced concrete, $84,489.

Jefferson Co., Sect. "D," Steubenville-Hammondsville Rd., 3.14 mi., grading, $36,819.

Medina Co., Sects. "P & Q," Cleveland-Wooster Rd., 4.75 mi. grading, constructing bridges and culverts and paving with bituminous macadam, $145,813.

Monroe Co., Sect. "E," Barnesville-Woodsfield Rd., 3.148 mi., grading, constructing bridges and culverts and paving with waterbound macadam, sandstone foundation, $56,766.

Monroe Co., Sect. "F," Barnesville-Woodsfield Rd., 4.074 mi., grading, constructing bridges and culverts and paving with waterbound macadam, sandstone foundation, $59,833.

Morrow Co., Sect. "E and F," Mansfield-Mt. Gilead Rd., 4.10 mi., grading, constructing bridges and culverts and paving with plain concrete, $113,032.

Preble Co., Sect. "F," Dayton-Indianapolis Rd., building bridges, $8164.

Richland Co., Sect. "P," Mansfield-Ashland Rd., 3.38 mi., grading, constructing bridges and culverts and paving with plain concrete, bituminous macadam or monolithic brick, $114,149.

Richland Co., Sect. "A," Shelby-Ashland Rd., 1.28 mi., grading, constructing bridges and culverts and paving with bituminous macadam or plain concrete, $55,746.

Richland Co., Sect. "B," Bellville-Lexington Rd., 1.92 mi., grading, constructing bridges and culverts and paving with bituminous macadam or plain concrete, $52,253.

Stark Co., Sect. "A and B," Lincoln Highway, 8.04 mi., grading, constructing bridges and culverts and paving with brick, $390,397.

Van Wert Co., Sects. "F, G and H," Van Wert-Delphos Rd., 10.75 mi., grading, constructing bridges and culverts and paving with bituminous macadam, $279,251.

Williams Co., Sect. "O," Bryan-Wauseon Rd., 2.05 mi., grading, constructing bridges and culverts and paving with bituminous macadam or reinforced concrete, $68,016.

Medina Co., Sect. "A," Cleveland-Wooster Rd., 1 mi., maintenance and repair, $15,076.

O., Bradford—Until June 4, by W. L. Hook, village clk., paving Miami and Main Sts. Work involves 10,500 cu.yd. grading, 21,600 sq.yd. pavement (all permanent types), 13,500 lin.ft. stone or concrete curb and 9800 lin.ft. 6-24 in. sewer. L. A. Boulay Co., 1250 Nicholas Bldg., Toledo, engrs.; advertised in this issue.

O., Centerburg—Until June 6, by City Council, grading, draining, curbing and paving 2700 ft. Hartford St., 26-42 ft. wide. Work involves 9000 sq.yd. vitr. brick, granite block or asphalt block, 5600 lin.ft. concrete curbing and 3000 cu.yd. earth excav. About $40,000. L. A. Boulay Co., 1250 Nichols Bldg., Toledo, engrs. Noted Apr. 3.

Streets and Roads (Continued)

O., St. Bernard—Until May 17, by Dir. Pub. Serv., lowering grade of Carthage Pike over Miami and Erie Canal and resurfacing with granite. Work involves 1800 sq.yd. granite block on 6 in. concrete base, 400 sq.yd. bituminous, 520 lin.ft. granite curbing (reset) and 4000 sq.yd. 4 in. cement sidewalk. H. A. Nunlist, 309 Traction Bldg., Cincinnati, engr. Noted May 1.

O., Toledo—Until May 20, by Dir. Pub. Serv., paving 1494 ft. Burnham Ave. from Sylvania to Maple Aves., 24 ft. wide, involving 4300 sq.yd. paving on 6 in. concrete base, 3000 lin.ft. curbing and 2345 cu.yd. earth excav., cost $22,815; Upton Ave. from Dorr St. to Avondale Ave., 26 ft. wide, 4262 sq.yd. paving on 6 in. concrete base, 2706 lin.ft. Berea curbing, 2000 sq.ft. stone sidewalk and 2269 cu.yd. earth excav., $24,-136; Kingston Ave. from Navarre Ave. to Earl St., 26 ft. wide, 4117 sq.yd. paving on 6 in. concrete base, 3080 lin.ft. stone curbing and 2773 cu.yd. earth excav., $23,-364; Vermaas Ave. from Phillips to Cornelia Aves., 22 ft. wide, 5380 sq.yd. paving on 6 in. concrete base, 4050 lin.ft. curbing and 6771 cu.yd. earth excav., $34,-560; Berkley Dr. from Sylvania to Berdan Aves., 24 ft. wide, 3365 sq.yd. paving on 6 in. concrete base, 2520 lin.ft. curbing, 5600 sq.ft. cement sidewalk and 1859 cu.yd. earth excav., $20,600. Bids will be received on vitr. brick, wood block, asphalt, asphalt block and rein.-con. H. C. McClure, city engr. Noted Apr. 10 and 17, May 1 and 8.

O., Youngstown—Until May 23, by Dir. Pub. Serv., paving Calvin St. from lot No. 8887 to Victoria St.; Madison Ave. from Griffith to Aredale Sts.; Dennick Ave. from Logan to Ohio Aves.; Ohio Ave from Bonita to Dennick Aves.; Delaware Ave. from Seneca to La Fayette Sts.; Montgomery Ave. from Wilson Ave. to Hickory St.; Council Rock Ave. from Jackson St. to Lincoln Park Dr.; Norman Ave. from Jackson St. to Lincoln Park Dr.; Craiglee Ave. from Jackson St. to Lincoln Park Dr. F. M. Lillie, city engr.

Indiana—By Bd. Co. Comrs. building roads in following counties:

May 19, Laporte Co., Laporte, building certain road in Center Twp. A. H. Kimble, aud.

Lawrence Co., Bedford, building and completing macadam road in Shawswick Twp. W. M. Denniston, aud.

June 2, Rush Co., Rushville, building crushed stone road in Orange Twp. W. H. McMillin, aud.

Ind., Terre Haute—Until May 28, by Bd. Pub. Wks., resurfacing 6000 ft. Wabash Ave., 50 ft. wide, involving 34,000 sq.yd. wood block, and 1224 brick blocks. About $100,000. R. A. Koerner, city engr.

Michigan—Until May 20, by F. F. Rogers, state highway comr., Lansing, grading, shaping, surfacing and draining 7 mi. Dowagiac-Niles Rd., Federal Aid Project No. 30, 16 ft. wide. R. H. Steketee, Kalamazoo, engr. Noted Nov. 7.

Mich., Grosse Pointe—(Detroit P. O.)—Until May 20, by R. H. Erley, village engr., Village Hall, paving with concrete Maryland Ave. from Jefferson to Kercheval Aves., Hampton Ave. between westerly village limits and Maryland Ave. and Wayburn Ave. between Fox Creek bridge and Hampton Ave., also building retaining wall, concrete roadway, curbs and sidewalks on Town Hall lot, ½ mi. long. About $25,000.

Mich., Grosse Pointe—(Detroit P. O.)—Until May 20, by R. H. Erley, village engr., Village Hall, grading and paving with 9 in. concrete creosoted block on 8 in. concrete base or asphaltic concrete on 8 in. concrete base, setting catch basins, inlets and storm sewers on boulevards in village, involving 17,600 sq.yd. pavement, 11,000 lin.ft. concrete curbing, 10,000 cu.yd. excav., 23 inlets, 8000 ft. 12-24 in. vitr. pipe and 2000 ft. 10 in. catch basin connections.

Mich., Grosse Pointe (Detroit P. O.)—Until May 20, by R. H. Erley, village engr., paving, grading, draining and installing sewers in Grosse Pointe Blvd. from Fisher Rd. to Provencal Blvd. Work involves 17,600 sq.yd. pavement, 11,000 lin.ft. concrete curbing, 10,000 cu.yd. pavement, 8000 ft. 12-24-in. vitr. pipe and 2000 ft. 10-in. catch basin connections, etc.; advertised in this issue.

Mich., Milan—Until May 28 (change of date), by J. Button, clk., grading, draining, curbing and paving Wabash St. from bridge over Saline River to South Corporation line, 16 and 18 ft. wide. About $27,695. G. Champe, 610 Nasby Bldg., Toledo, O., engr.; advertised in this issue. Noted May 1.

Illinois—Until May 28, by State Highway Comn., Springfield, improving Natl. and Dixie Highways in following counties:

(a) Clark Co., 17,868 ft. Natl. Highway, Sect. D-15d, 16 ft. wide; 29,200 ft. Sect. A, 16-18 ft. wide; 24,242 ft. Sect. B, 16-18 ft. wide; 23,736 ft. Sect. C, 16-18 ft. wide; 26,-756 ft. Sect. D, 18 ft. wide;

(b) Cumberland Co., 17,218 ft. Natl. Highway, Sect. F-15d, 24,165 ft. Sect. E; 19,900 ft. Sect. F; 20,900 ft. Sect. G; 28,700 ft. Sect. H, all 16 ft. wide;

(c) Will Co., 24,800 ft. Dixie Highway, Sect. 8; 18,600 ft. Sect. 9; 15,200 ft. Sect. 10; 4453 ft. Sect. H-15d, all 18 ft. wide. Alternate bids will be received for Portland cement concrete, 3 in. and 4 in. monolithic brick, bituminous concrete (Spec. C1, C2, C3 or CT) with or without binder course. C. Older, ch. highway engr.; advertised in this issue.

Illinois—Until May 28, by State Highway Comn., Springfield, improving roads in following counties: (a) Menard Co., 2000 ft. Sect. E, Route 4, 16 ft. wide, involving 3556 sq.yd. concrete, 2709 cu.yd. excav., cost $6380;

Ogle Co., 7254 ft. Sec. F, Route 10 and 11, 10 and 16 ft. wide, 11,798 sq.yd. concrete, 4476 cu.yd. excav., $19,428;

Marion Co., 3240 ft. Sec. G, Route 7, 10 ft. wide, 3600 sq.yd. concrete, 1950 cu.yd. excav., $7630;

Mason Co., 4000 ft. Sec. B, Route 1, 16 ft. wide, 7111 sq.yd. concrete, 1022 cu.yd. excav., $11,804;

Lake Co., 6060 ft. Sect. J, Route 6, 18 ft. wide, 12,120 sq.yd. concrete, 4462 cu.yd. excav., $21,400;

Bureau Co., 3456 ft. Sect. F, Route 4, 15 ft. wide, 5760 sq.yd. concrete, 1850 cu.yd. excav., $10,990; 4000 ft. Sect. G, Route 1, 15 ft. wide, 6667 sq.yd. concrete, 2466 cu.yd. excav., $11,486;

Fulton Co., 4200 ft. Sect. S, Route 4, 16 ft. wide, 7466 sq.yd. concrete, 3592 cu.yd. excav., $15,800;

McHenry Co., 2121 ft. Sect. K, Route 15, 16 ft. wide, 3771 sq.yd. concrete, 1057 cu.yd. excav., $8262; 2336 ft. Sect. L, Route 17, 16 ft. wide, 4153 sq.yd. concrete, 1294 cu.yd. excav., $7828;

Bond Co., 1783 ft. Sect. E, Route 6, 10 ft. wide, brick pavement, $9226;

Coles Co., 3650 ft. Sect. D, Route 8, 10 ft. wide, 4055 sq.yd. brick, 1755 cu.yd. excav., $13,773;

Adams Co., 4459 ft. Sect. E, Route 5, 15 ft. wide, 7432 ft. waterbound macadam, 9653 cu.yd. excav., $12,037;

Edwards Co., 1550 ft. Sect. D, Route 2, 10 ft. wide, 1722 sq.yd. gravel, 1500 cu.yd. excav., $3430;

Jersey Co., 3370 ft. Sect. H, Route 2, oiled earth paving, 15 ft. wide, 3500 cu.yd. excav., $4036;

Randolph Co., 4 bridges, Sect. D, $6790. C. Older, state highway engr.

Wisconsin—Until May 28, at office of Division No. 6 of Wisconsin Highway Comn., Eau Claire, grading and paving Alma-Durand Rd., Federal Aid Project No. 16, involving 3 acres clearing and grubbing, 23,197 cu.yd. earth excav., 239 cu.yd. class A concrete and 20,598 sq.yd. shale and gravel surfacing, Pepin Co.; Phillips-Medford Rd., Federal Aid Project No. 31, 4.9 acres clearing and grubbing, 45,249 cu.yd. earth excav. and 497.6 cu.yd. class A concrete, Taylor Co. A. R. Hirst, state highway engr.

Wis., Sheboygan—Until June 1, by C. A. Boley, city engr., grading paving, curbing, and guttering 2 mi. Georgia Ave., South 16th and 17th Sts., 18 ft. wide. Work involves 25,800 sq.yd. concrete, 1800 lin.ft. concrete curb and 1500 lin.ft. concrete gutter. Cost between $25,000 and $30,000.

Ia., Hedrick—Until May 27, by town, for 15,000 sq.yd. paving, brick, asphalt, bitulithic or concrete, involving 8000 ft. concrete curb and gutter, and 1500 cu.yd. excav. About $50,000. H. R. Green, Cedar Rapids, engr.

Ia., Reinbeck—Until May 21, by R. B. Ferguson, clk., improving streets, involving 38,300 sq.yd. vitr. block, asphaltic concrete, sheet asphalt or bitulithic paving, 20,800 lin.ft. combined curb and gutter. J. G. Thorne, 317 Howes Blk., Clinton, engr.; advertised in this issue. Noted Apr. 17.

Minn., Benson—Until May 22, by D. P. Carney, aud. Swift Co., building 19.6 mi. Federal Aid Project No. 48, State Rd. No. 11, 20 ft. wide, in 3 sections, involving 95,829 cu.yd. excav., 77,860 sq.yd. concrete, asphalt or brick pavement, also building one 40 ft., two 50 ft. and one 56 ft. span bridges. L. R. Johnson, Benson, engr.

Minn., Cambridge—Until May 29, by F. A. Narell, aud. Isanti Co., grading and graveling 5½ mi. Project No. 41, State Rd. No. 1, 20 ft. wide. About $80,000. P. M. Torell, Cambridge, engr. Noted Apr. 10.

Minn., Chaska—Until May 27, by W. Schimelpfenig, aud. Carver Co., building 2½ mi. Job No. 1908, Sects. 3 and 10, in Waconia Twp. About $30,000. W. H. Tischer, Waconia, engr.

Minn., Duluth—Until May 18, by city, grading 8 blocks Winona St., 3100 ft. long, 55 ft. wide, with 18 ft. roadbed, cost, $10,-009; paving 3rd alley from 21st to 22nd Aves., W., 400 ft. long, 16 ft. wide, one course concrete, concrete curbs, $2199; building 400 ft. 8 in. sanitary sewer in London Rd. from 20th to 21st Aves., E., $766.

Minn., Glenwood—Until June 5, by O. Irgens, aud. Pope Co., building Federal Aid Project No. 47, State Rd. No. 2. L. Martine, Glenwood, engr. Noted May 1.

Minn., Minneapolis—Until May 26, by Comrs. Hennepin Co., paving 5½ mi. Lyndale Ave. from city limits to Ft. Snelling-Shakopee Rd., 24 ft. wide. About $200,000. E. E. Terrell, co. engr.

Minn., Stillwater—Until May 26, by N. A. Nelson, aud. Washington Co., grading and graveling 5 mi. Project No. 42, State Rd. No. 3, 20 ft. wide. About $45,000. Work involves hauling 11,212 cu.yd. gravel surfacing material, 60,233 cu.yd. earth and 4096 cu.yd. rock excav.

Neb., Albion—Until June 4, by J. H. McClintick, clk. Boone Co., grading and surfacing 21.4 mi. Genoa-Albion Rd., 24 ft. wide. Nance and Boone Counties, involving 136,274 cu.yd. excav., 3196 cu.yd. sand-clay surfacing and 121 cu.yd. concrete, etc. About $55,000.

Neb., Blair—Until June 3, by M. C. Debel, clk. Washington Co., grading 33.3 mi. Blair-Oakland Rd., 24 ft. wide, Washington and Burt Counties, involving 198,250 cu.yd. excav. and 18 yds. concrete, etc. About $100,000.

Neb., Geneva—Until May 29, by C. Underwood, clk., paving 10½ blocks involving 31,835 sq.yd. vitr. brick, asphalt or concrete on 5 in. concrete base, 475 lin.ft. curbing, 8650 lin.ft. guttering and 2160 cu.yd. excav. About $130,000. Grant & Fulton, 505 Bankers Life Bldg., Lincoln, engr.

Neb., Lincoln—Until June 2, by W. L. Minor, clk. Lancaster Co., grading 37 mi. Lincoln Beatrice Rd., 24 ft. wide, Lancaster and Gage Counties, involving 234,750 cu.yd. excav. and 165 cu.yd. concrete, etc. About $100,000.

Nebr., Lincoln—Until May 24, by T. H. Berg, clk., paving 2230 ft. Ryons Ave. and "T" St., 25 ft. wide. Work involves 4300 sq.yd. asphalt, 1800 sq.yd. asphaltic concrete, 4560 lin.ft. combined curb and gutter, 900 cu.yd. earth excav. and 6100 sq.yd. on 5-in. concrete base. About $19,700. G. W. Bates, city engr.

Neb., Madison—Until May 26, by Clk., paving Madison, Pearl and 3rd Sts., 24-56 ft. wide, involving 29,296 sq.yd. vertical fibre brick on 5 in. concrete base, 14,504 lin.ft. concrete curbing and 6190 cu.yd. earth excav. About $130,709. W. D. J. Steckelberg, city engr. Noted Apr. 17.

Neb., Tryon—Until May 19, by McPherson and Logan Counties, improving Stapleton-Ringold Rd., 24 ft. wide, involving 11,690 cu.yd. sand clay surfacing and 62,564 cu.yd. earth excav. G. E. Johnson, Lincoln, state highway engr.

N. D., Minot—Until June 3, by Comrs. Ward Co. building 5.04 mi. Federal Aid Project No. 25, gravel. W. H. Robinson, Bismarck, state highway engr.

N. D., New Rockford—Until June 4, by Comrs. Eddy Co. building 5.5 mi. Federal Aid Project, No. 6, gravel. W. H. Robinson, Bismarck, state highway engr.

Ark., Marshall—Until July 1, by Winn Eng. Co., engrs., 207 Riegler Bldg., Little Rock, building 12 mi. gravel road, 18 ft. wide, in Rose Impvt. Dist. No. 1, cost $50,-000; 63 mi. macadam road, 18 ft. wide, Witt Springs Highway Impvt. Dist., $450,-000, for Searcy Co.

Tex., Seguin—Until May 20, by Guadalupe Co. paving and draining 3.256 mi. Texas Post Rd. from Comal line south to Baxar Co. line, 15 ft. wide, base and top course of gravel with bituminous surface treatment, etc. T. E. Hess c/o Hess & Skinner, South Western Life Bldg., Dallas, engr.

Streets and Roads (Continued)

Wash., Seattle—Until May 27, by Comrs. King Co., grading and paving 4.5 mi. Pacific Highway from Kent to Auburn, 20 ft. wide. Work involves 51,769 sq.yd. (a) concrete or (b) brick and 5000 cu.yd. grading. Cost (a) $126,000, (b) $170,000. S. J. Humes, co. engr.

Ore., Portland—Until May 22, by Comrs. Multnomah Co. grading and placing concrete culverts on County Rd. No. 932, from Willamette Blvd. to Russell St. R. W. Hoyt, chn.

Quebec—Provincial Government, Quebec, receiving bids building waterbound macadam roads as follows: 90 mi. St. Therese Highway, 90 mi. Sherbrooke-Beauce Highway, 60 mi. Montreal-Laurentian Highway, 90 mi. Three Rivers-Richmond Highway, 76 mi. Fraserville-Edmundston Highway, 100 mi. Montreal Sherbrooke Highway, 20 mi. Three Rivers-Grand Mere Highway, 123 mi. Levis-Fraserville Highway.

Que., Bury—Until June 2, by G. A. Atkins, secy.-treas., building 7.5 mi. Beauceville-Sherbrooke Rd.

Que., Chateau Richer—Until May 16, by N. Taillon, secy., twp. council, graveling 4 mi. roads and building concrete bridge. G. Henry, Parliament Bldg., Quebec, engr.

Que., Perce—Until June 1, by P. Lebouthillier, secy. twp. council, graveling 6 mi. road from here to Anse au Beaufils. G. Henry, Parliament Bldg., Quebec, engr.

Que., Quebec—Until May 21, by W. D. Baillarge, city engr., paving with sheet and stone filled sheet asphalt and other material Charlesbourg and Beauport Rds. About $50,000. Noted Mar. 6.

Ont., Toronto—Until May 27, by T. L. Church, chn. bd. control, paving with asphalt and building concrete curbs and sidewalks on Arundel, Bartlett and Sourauren Aves., and Runnymede Rd. About $100,000. R. C. Harris, City Hall, engr.

Man., Pipestone—Until May 19, by G. F. Birney, secy.-treas., grading 12½ mi. roads.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—City let contract to Gore Constr. Co., Inc., Boston, paving Burlington St., involving 2000 ft. granite block, 700 lin.ft. stone curbing, 575 sq.yd. sidewalks, 700 cu.yd. earth excav., $7049; Shirley St., 2225 sq.yd. granite block, 845 lin.ft. stone curbing, $3910.

★**N. Y., Long Island City**—M. E. Connolley, pres. Queens Boro., let contracts regulating and repaving 4th St., to Scott & Kurth, West Brighton, S. I., $5631; East Ave. and 13th St., to Uvalde Asphalt Paving Co., 1 Bway., New York City, $13,038 and $45,255 repectively; Hamilton St. and Jackson Ave., to Borough Asphalt Paving Co., 1301 Metropolitan Ave., Brooklyn, $40,678 and $41,820 repectively; 1st Ave., to Hastings Paving Co., 25 Broad St., New York City, $16,853; Jackson Ave., to Cleveland Trinidad Paving Co., Flushing, $121,625; Jackson Ave. Bridge Plaza, to P. J. Kelly, $49,936. Noted May 1.

★**N. Y., New York**—H. Bruckner, Pres. Bronx Boro., let contracts, to Spadera Contg. Co., 277 East 217th St., regulating, grading, etc., Corlear Ave., $29,769; Leonard Paving Co., 233 Bway., Morris Park Ave., $140,744; to Uvalde Asphalt Paving Co., 1 Bway., Bathgate Ave., $11,280; East 178th St., $8472; to Asphalt Constr. Co., 2197 Madison Ave., Intervale Ave., $15,083; Clay Ave., $10,464; Walton Ave., $26,925; to Davney Asphalt Co., 1170 Bway., East 163rd St., $9915; Wistor St., $7019; to Union Paving Co., Bway and 112th St. East 177th St., $62,593. Noted May 1.

★**N. Y., New York**—F. L. Dowling, pres. Manhattan Boro., let contracts regulating and repaving, with sheet asphalt on concrete foundation, 10th Ave. and 43rd St., to Davey Asphalt Co., foot of Quinby Ave., $19,072 and $8019 respectively; with granite blocks, 7th Ave., to W. J. Fitzgerald, 547 West 45th St., $129,594; Greenwich St., to J. J. B. La Marsh, 57 Cooper Sq., $105,588; 4th Ave., to Burnside Contg. Co., 270 Burnside Ave., $13,121. Noted May 1.

N. Y., Rome—Bd. Pub. Wks. received only low bid from Warren Bros. Co., Rome, paving North George St. from Linden to Sycamore Sts., $22,063; Embargo St. from Roberts to James Sts., $5245; Jay St. from Embargo to Elm Sts., $23,980. Noted May 1.

★**N. Y., S. I., St. George**—C. D. VanName, pres. Richmond Boro., let contract regulating and repaving, Forest Hill Rd., to J. Johnson Sons, West New Brighton, $18,332. Noted May 8.

N. Y., Utica—City received only bid from H. Roberts Co., 610 Lansing St., paving with (a) sheet asphalt, (b) bitulithic, (c) asphaltic concrete, Eagle St. from Conkling to Seymour Aves., (a) $15,971, (b) $16,229, (c) $15,325; resurfacing Brinkerhoff Ave. from Mortimer to Square Sts., (a) $14,760, (b) $15,112, (c) $13,880; Neilson St. from Mortimer to Eagle Sts., (a) $5861, (b) $5983, (c) $5557.

★**N. Y., Watertown**—City will pave 58,000 sq.ft. concrete sidewalks and 16,000 sq.yd. macadam roads. Work will be done by day labor.

New Jersey—State Highway Comn., Broad St. Bank Bldg., Trenton, received bids May 7, (a) grading and paving with concrete 3.575 mi. Rio Grande-Wildwood Junction Rd., involving 37,734 sq.yd. concrete pavement and 6609 cu.yd. earth excav.; (b) 2.025 mi. Wildwood Junction-Cape May Court House Rd., both 18 ft. wide with two 3-ft. gravel shoulders, 21,386 sq.yd. concrete pavement and 3789 cu.yd. earth excav., from E. R. Minner, Goshen, (a) $114,687, (b) $71,646; W. P. McDonald Constr. Co., 1110 Penn Sq. Bldg., Phila., (a) $117,284, (b) $68,085; Cassedy & Homan, Cape May City, (a) $118,624, (b) $69,275.

★**Pennsylvania**—State Highway Comn., Harrisburg, let contracts building roads in counties as follows:

Blair Co., 5443 ft. rein.con., to L. Brua, Holidaysburg, $29,987;

Cambria Co., 16,177 ft. vitr. brick, R. R. Myers, Lewistown, $166,318;

Centre Co., 32,100 ft. bituminous surface on concrete foundation and Hillside vitr. brick, Gaylord International Eng. & Constr. Co., Mears Bldg., Scranton, $249,332;

Chester Co., 21,626 ft. rein.-con., McNichol Paving & Constr. Co., 1923 Cherry St., Phila., $150,314; 2334 ft. rein.-con., Manwaring & Cummins, 24-32 East Church Lane, Germantown, $20,981;

Clarion Co., 1842 ft. vitr. brick, L. H. Hileman Constr. Co., 1st Natl. Bank Bldg., New Kensington, $25,812;

Luzerne Co., 22,452 ft. bituminous surface on concrete foundation, Eastern Paving Co., Colonial Trust Bldg., Phila., $160,854; 10,560 ft. rein.-con., T. W. Reilly & Co., Lancaster, $102,426.

Tioga Co., 26,310 ft. rein.-con., Warren Moore & Co., 13th and Market Sts., Phila., $217,563;

Warren Co., 10,717 ft. rein.-con., J. McCormick & Bro., Erie, $69,540;

Juniata Co., 8414 ft. rein.-con. and Hillside vitr. brick, J. B. Trexler, Reading, $54,530. Noted May 8.

★**Pa., Ardmore**—Comrs. Lower Merion Twp. let contract surface treating 94,000 sq.yd. road to M. Gibbons, Lansdowne. Noted Apr. 17.

Pa., Ebensburg—Supervs. Summerhill Twp., c/o Controller Cambria Co. received 3 lowest bids building 1.06 mi. brick road on concrete base, leading from Beaverdale to Wilmore, in Summerhill Twp., from J. E. Neapolitana, Johnstown, $43,114; F. L. James, Uniontown, $53,613; Portage Concrete Constr. Co., Portage, $58,604. Noted May 1.

Pa., Ebensburg—Supervs. Lower Yoder Twp., c/o Controller Cambria Co. received 3 lowest bids building 1.82 mi. brick road on concrete base leading from Johnstown city line to Lower Yoder Twp. line, from Ressler & Griffith, Johnstown, $97,420; Bell-Bockel Co., Inc., Central Trust Bldg., Altoona, $99,877; E. A. James, Johnstown, $111,899. Noted May 1.

★**Pa., Export**—Boro let contract grading, curbing and paving Westmoreland St. to L. F. Edwards & Bro., Greensburg, $14,494. Noted Apr. 24.

★**Pa., Pittsburgh**—Allegheny Co. let contract building 5300 ft. Renton Rd. from Renton to New Texas, Plum Twp., 18 ft. wide, Telford macadam, to L. H. Hileman, 1st Nat'l Bank Bldg., New Kensington, $64,968. Noted Apr. 24.

★**Pa., Pittsburgh**—City let contracts, to T. Cronin, 17th and Muriel Sts., grading, paving and curbing Hampshire Ave. from Bway. to Napoleon St., cost $18,991, Warrington Ave. from Montooth St. to West Liberty Ave., $132,921, Realty Ave. from Crosby St. to Bway., $22,452, Creedmore Ave. from Brookline Blvd. to Freedom St., $25,720; to Booth & Flynn, 194[illegible] Forbes St., Oakridge Ave. from Chelton to Creedmore Aves., $4296, Stevenson St. from Bluff St. to end of pavement, $9013; to Pittsburgh Paving Co., Bakewell Bldg., Monapah Ave. from Belasco St. to Bway., $11,061. Noted Apr. 17.

★**Pa., Scranton**—Lackawanna Co. let contract repairing road running from Luzerne Co. line to Susquehanna Co. line, to Gaynor Contg. Co., Love Rd. and Carbon St. About $20,000. Noted Apr. 17.

★**Maryland**—State Rds. Comn., 601 Garrett Bldg., Baltimore, let contract paving 0.23 mi. road over Allen Mill Dam, 15 ft. wide, concrete, Contr. No. 094-A, Wicomico and Somerset Counties, to Aetna Constr. Co., 1107 Amer. Bldg., Baltimore. About $10,000. Noted May 1.

★**Maryland**—State Rds. Comn., 601 Garrett Bldg., Baltimore, let contract paving 1.18 mi. Monroe St. from Eagle to Mosher Sts., 39 ft. wide, sheet asphalt on 6 in. concrete base, Baltimore City Contr. BC-29A, to Union Paving Co., 119 Lafayette St., Schenectady, N. Y., $100,622; 2.5 mi. State Highway from Grove to Bureau, 15 ft. wide, concrete, Contr. CO-18, Caroline Co., to Peninsula Constr. Co., Berlin, Md., $79,456; 1.76 mi. State Highway through Rockville, 15 ft. wide, concrete, Contr. M-17, Montgomery Co., to Fisher & Carrozza, 802 Calvert Bldg., Baltimore, $67,463. Noted Apr. 24.

★**Md., Baltimore**—Morgan Park Co., Lauraville (suburb), let contract building roads in Morgan College and Community Development, 15 ft. wide, macadam and crushed stone, involving 10,000 cu.yd. excav., to H. O. Firor, 1707 Pratt St., Baltimore, $10,235; also building terra cotta and iron pipe sewers, in Morgan College Development, to A. F. Fedli Co., 403 Vickers Bldg. About $8000.

W. Va., Beckley—Raleigh Co. received only bid May 6, building 4 mi. Besoco-Odd Rd., from G. T. Franklin, Charleston. Project involves 16.5 acres clearing, $85 per acre; 35,600 cu.yd. excav., $.87; 505 cu.yd. 1:2:4 concrete, $22; 6683 lb. steel, $.12; Harper Rd. from Sta. O to Sta. 125, invovling 12,500 sq.yd. pavement and 8330 broken stone shoulders, Surveyor Marshes Rd., 20,750 sq.yd. pavement and 6917 sq.yd. stone shoulders; Guyandote Rd., from Sta. 38 to Sta. 163, 20,750 sq.yd. pavement, and 8330 sq.yd. stone shoulders, from Henning Hagedorn, Inc., Charleston, concrete, 16 ft. wide, $2.08; 9 ft. wide, $2.10; bituminous macadam (oil asphalt), 16 ft. wide, $1.74; 9 ft. wide, $1.76; bituminous macadam (coal tar product) 16 ft. wide, $1.62; 9 ft. wide, $1.64; bituminous macadam (natural asphalt) 16 ft. wide, $1.86; 9 ft. wide, $1.88; broken stone shoulders, 2½ ft. wide on each side of 9 ft. pavement, with concrete, $.75, with macadam $.60. Noted May 1.

★**W. Va., Clarksburg**—Comrs. Harrison Co. let contract building 1 mi. Mt. Clare Ave., to Allen & Hornor, Clarksburg, $48,982; 1.5 mi. Wolt Summit Rd., to Salem Constr. Co., Salem, $68,039; 1.5 mi. Johnson's Run Rd., to A. Fiora, Clarksburg, $56,065; 2 mi. Clarksburg and Fairmont Rd., to Ferguson & Holbert, Shinnston, $95,856. Noted Apr. 17.

★**W. Va., Weston**—Comrs. Lewis Co. will grade and pave 1¼ mi. Buckhannon Turnpike, 16 ft. wide, involving concrete curbing and 10,000 sq.yd. vitr. brick, on 4 in. concrete base. Work will be done by day labor. Excavation let, to D. Fuccy, Weston. Total cost, $50,000. Noted Apr. 17.

★**Ga., Atlanta**—City let contracts, to McDougald Constr. Co., paving Whitehall St., granite, cost $27,427, Pryor St., granite and asphaltic concrete, $24,943, Simpson St., asphalt on granite blocks, $15,757; to Meador Constr. Co., Healy Bldg., Juniper St., concrete, $60,205; Pittman Constr. Co., Rhodes Bldg., Marietta St., granite blocks and asphaltic concrete, $116,892. Noted Mar. 20.

★**Ga., Augusta**—City let contract for 55,000 sq.yd. concrete pavement on Walton way from 15th St. to Monte Sano Ave., to Lawrence Constr. Co., 127 Eighth St., and A. B. Crump Constr. Co., Macon, $162,892. Noted Apr. 17.

★**Ala., Sheffield**—City let contract paving streets with bitulithic, to Crinkley Constr. Co., Harriman, Tenn. About $200,000.

★**Miss., Clarksdale**—Bd. Supervs. Coahoma Co. let contract grading and graveling 22 mi. concrete roads, 14 ft. wide, to McTighe-Hughey Co., Memphis, Tenn. Noted Feb. 13.

Streets and Roads (Continued)

Louisiana—State Highway Dept., New Orleans, received lowest bid building 15 mi. Orleans-Chef Menteur Highway, from Blakemore Constr. Co., New Orleans, $90,005. Noted Apr. 10.

★**Ohio**—State Highway Comn., Columbus, let contracts building roads as follows:

Holmes Co., Sect. "H-1," Millersburg-Canal Dover Rd., 2.5 mi., grading, constructing bridges and culverts to L. B. Wilson, Newark, $21,306.

Knox Co., Sect. "A-2," Mt. Vernon-Newark Rd., 3.79 mi. grading, constructing bridges and culverts and paving with monolithic brick, Dorsey Contr. Co., Findlay, $162,759.

Marion Co., Sect. "F," Marion-Kenton Rd., 5.36 mi. grading, constructing bridges and culverts and paving with bituminous macadam, Brady & O'Connell, Marion, $134,767.

Tuscarawas Co., Sect. "O-1," Millersburg-Canal Dover Rd., 1.5 mi. grading, constructing bridges and culverts and paving with concrete, Springer & Rogers, New Philadelphia, $41,686.

Vinton Co., Sect. "G-2," McArthur-Athens Rd., 1.06 mi. grading, constructing bridges and culverts and paving with concrete, E. N. Turner, Logan, $26,820.

Washington Co., Sect. "J-1," Marietta-Caldwell Rd., 3.027 mi. grading, constructing bridges and culverts and paving with plain concrete. Appenzeller, Stokley & Frieman, Greenville, $94,413. Noted May 8.

★**O., Akron**—City let contract repaving South Main St. from West Thornton St. to south line West Crosier Sts., 5 in. granite (cement) block, to Columbus Asphalt Paving Co., Citizens Bank Bldg., Columbus, $66,355. Noted Apr. 10.

★**O., Edgerton**—City let contract paving 2800 ft. Michgan Ave. from Hull to Sargent Sts., 16-66 ft. wide, 7½ in. rein-con., to Clemers & Johnson, Hicksville, $52,518. Noted Apr. 24.

★**Ind., Portland**—Comrs. Jay Co. let contract building 2 1/5 mi. road from Meridian St. west on Votaw St. to Wayne-Green Twp. line, to L. E. Beard, Portland, $56,185.

★**Michigan**—State Highway Comn., Lansing, let contracts, to Berrien Constr. Co., Benton Harbor, grading 5.435 mi. Sect. A, Federal Aid Project No. 24, 16 ft. wide, Berrien Co., cost $27,241, paving 1.469 mi. Sect. C, waterbound macadam, 16 ft. wide, $30,271; Federal Asphalt Paving Co., 316 Rentschler Bldg., Hamilton, paving 1.03 mi. Sect. B, bituminous concrete, 18 and 41 ft. wide, Berrien Co., $64,412; G. F. Scharl, Battle Creek, 5.253 mi. Federal Aid Project No. 28, 16 ft. wide, Branch Co., $125,910; Butler Constr. Co., Milwaukee, Wis., 1.816 mi. Federal Aid Project No. 36, bituminous concrete, 16 ft. wide, Ingham Co., $60,595; H. A. and M. C. Nichols, Hastings, 16.916 mi. Sect. 1 Assessment Dist. Rd. No. 62, 16 ft. wide, Class "B" gravel, Ionia and Kent Counties, $54,518; Banhagel Constr. Co., Ionia, 5452 sq.yd. Sect. 2, $11,040. Noted Mar. 13 and 27.

★**Mich., Detroit**—City let contract, to Detroit Asphalt Paving Co., 20 McGraw Bldg., paving with asphaltic concrete on concrete base, Berea or Amherst curbstone, Celeron St. from Junction to Cavalry Aves., $14,922; Greeley Ave. from Wellington to Holbrook Aves., $19,827; Marquette Ave. from Wabash to Lawton Aves., $36,337; Springwells Ave. from Ferndale to Dix Aves., $27,326; Cleveland Trinidad Paving Co., 2940 Woodward Ave., Goodwin Ave. from Caniff Ave. to northerly city limits, $17,817 and from Holbrook to Owen Aves., $8845; Woodland Ave. from Oakland Ave. to Detroit, Grand Haven and Milwaukee Ry., $24,060; W. B. Brady Constr. Co., 1972 Grand River Ave., Longfellow Ave. from Linwood to Lawton Ave., $17,275; J. Porath, 34 McGraw Bldg., Colby Ave. from Russell St. to Detroit and Bay City R. R., brick on 6 in. concrete foundation, $5105; all 26 ft. wide; R. Porath, 1131 McKinley Ave., Gould St. from Grossley to Anderson Sts., 20 ft. wide, brick on 6 in. concrete foundation, $2731. Noted May 8.

Mich., Detroit—Dept. Pub. Wks. received bids paving (a) Distel Ave. from Fort to Olivet Sts., 26 ft. wide, (b) Gartner Ave. from Beard St. to Lawndale Ave., 26 ft. wide, (c) Senator Ave. from Beard St. to Lawndale Ave., 26 ft. wide, all asphaltic concrete, Amherst curbstone, (d) Alley No. 985, T alley between Lawton, Linwood, Lathrop and Northwestern Aves., 18 ft. wide, (e) Alley No. 986, E and W alley between La Salle Blvd., 14th St., West Grand Blvd. and Lathrop Ave., 20 ft. wide, (f) Alley No. 987, E and W alley between Elmwood, Moran and Medbury Aves. and East Grand Blvd., 20 ft. wide, (g) Alley No. 988, N and S alley in block between Maxwell, Seminole, Canfield and Forest Aves., 20 ft. wide, (h) Alley No. 989, south of and parallel to Michigan Ave. between 24th and 25th Sts., 20 ft. wide, (i) Alley No. 990, N and S, in block between Field, Sheridan, Gratiot and Forest Aves., 20 ft. wide, all one course concrete, from Detroit Asphalt Paving Co., 20 McGraw Bldg., (a) $8995, (b) $54,052, (c) $52,817; Cleveland Trinidad Paving Co., 2940 Woodward Ave., (a) $9168, (b) $54,589, (c) $53,342; W. B. Brady Constr. Co., 1972 Grand River Ave., (a) $9025, (b) $54,983, (c) $53,469; R. J. Powelson & Co., 1577 Iroquois Ave., (d) $4784, (e) $4331, (f) $4472, (g) $3987, (i) $4607; Talbot Co., Penobscot Bldg., (d) $4798, (e) $4372, (h) $1793; E. Meredith & Co., 145 Harper Ave., (d) $4635, (e) $4199, (f) $4257, (i) $4612; Corrick Bros., 507 Owen Bldg., (f) $4396, (g) $3697, (i) $4205; T. E. Currie, 20 McGraw Bldg., (g) $4057; Otis Cement Constr. Co., 806 Hammond Bldg., (h) $1995; R. Porath, 1131 McKinley Ave., (h) $1803. Noted May 1.

★**Mich., Grand Rapids**—Comrs. Kent Co. let contracts to W. H. Clark, Grand Haven, paving 3 mi. Assessment Dist. Rd. No. 13, east from Dutton, $58,212; H. A. Hoxie, Grand Rapids, 3½ mi. Assessment Dist. Rd. No. 18, on Knapp Ave., $72,809, both 16 ft. wide, concrete. Noted Mar. 6.

★**Mich., Hart**—Comrs. Oceana Co. let contract grading and building drainage structures on 6 mi. Federal Aid Rd. No. 1, Sect. B, 24 ft. wide, in Grant Twp., to I. Butzer, Hart, $15,000.

Illinois—State Highway Comn., Springfield, received bids May 1, paving roads in following counties: (a) Clark Co., 2000 ft. Sect. E, Route 7, 10 ft. wide; (b1) Green Co., 5200 ft. Sect. F, Route 5, 24 ft. wide; (b2) 3173 ft. Sect. H, Route 3, 24 ft. wide;

(c1) De Witt Co., 16,698 ft. Sect. F, Route 11, 24 ft. wide; (c2) 9000 ft. Sect. G, Route 10, 24 ft. wide;

(d) Knox Co., 9300 ft. Sect. J, Route 6, 24 ft. wide;

(e1) Clay Co., 4100 ft. Sect. F, Route 6, 24 ft. wide; (e2) 2705 ft. Sect. G, Route 6, 24 ft. wide;

(f1) Cook Co., 5413 ft. Sect. 57, Route 1, 18 ft. wide; (f2) 20,276 ft. Sect. 58, Route 11C and 6B, 18 ft. wide;

(g1) Cass Co., 1063 ft. Sect. I, Route 2, 10 ft. wide; (g2) 2806 ft. Sect. J, Route 7, 10 ft. wide;

(h1) Champaign Co., 3440 ft. Sect. K, Route 2, 10 ft. wide; (h2) 5532 ft. Sect. L, Route 5, 10 ft. wide, from

J. W. Eechinson, Casey, (a) $7736.

A. C. Loomis, Mattoon, (a) $8068.

White & Braley, Litchfield, (b1) $44283; (b2) $8492; (c1) $8796; (c2) $2495; (e2) $2912.

J. Brogen, Eldred, (b1) $4227; (b2) $8464.

Cameron, Joyce & Co., Keokuk, Ia., (c1) $8956; (c2) $2632.

W. C. Meneely, Frankford, Ind., (c1) $9117; (c2) $2471.

E. A. Lord, Monmouth, (d) $4286.

H. J. Kunkle and J. E. Foster, Wataga, (d) $6710.

L. V. Chesrom, Olney, (e1) $2139.

Central Paving Co., 179 West Washington St., Chicago, (f1) $17,907.

M. Foley Co., Evanston, (f1) $17,697.

Eclipse Constr. Co., Winnetka, (f2) $65,242.

E. C. Trowbridge, Chandlerville, (g1) $1900; (g2) $6190.

Stipes & Pilcher, Champaign, (h1) $13,486; (h2) $20,501. Noted Apr. 24.

Illinois—State Highway Comn., Springfield, received bids Apr. 30, paving roads in following counties: (a1) Schuyler Co., 2571 ft. Sect. F, Route 1, 10 ft. wide; (2) 2192 ft. Sect. G, Route 2, 10 ft. wide;

(b) Warren Co., 3741 ft. Sect. G, Route 11, 16 ft. wide;

(c) Lake Co., 6060 ft. Sect. J, Route 6, 18 ft. wide;

(d) Carroll Co., 2825 ft. Sect. D, Route 8;

(e) Will Co., 10,001 ft. Sect. G, Route 13, 18 ft. wide;

(f) Bond Co., 1783 ft. Sect. E, Route 6, 10 ft. wide;

(g) Stephenson Co., 5300 ft. Sect. F, Route 1, 10 ft. wide;

(h) Cumberland Co., 11,300 ft. Sect. E, Route 1, 10 ft. wide;

(i) Adams Co., 4459 ft. Sect. E, Route 5, 15 ft. wide;

(j1) Christian Co., 9500 ft. Sect. I, Route 9, 15 ft. wide; (j2) 1800 ft. Sect. J, Route 15, 15 ft. wide; (j3) 4500 ft. Sect. K, Route 23, 15 ft. wide; (j4) 7073 ft. Sect. L, Route 20, 15 ft. wide; (j5) 10,400 ft. Sect. M, Route 3, 15 ft. wide;

(k1) Hancock Co., 13,000 ft. Sect I, Route 1, 24 ft. wide; (k2) 12,600 ft. Sect. J, Route 13, 24 ft. wide;

(l) Marshall Co., 22,810 ft. Sect. F, Route 9, 24 ft. wide;

(m) Pope Co., 9 concrete bridges, Sect. D, Route 1 and 3;

(n) Hamilton Co., 1 concrete bridge, Sect. C, Route 6;

(o) Scott Co., 1 concrete bridge, Sect. H, Route 1A;

(p) Massac Co., 5 concrete bridges, Sect. G, Route 3, from H. C. Holmes, Macomb, (a1) $5074; (a2) $5576.

Beardstown Concrete Constr. Co., Beardstown, (a1) $6127; (a2) $6558.

E. A. Lord, Monmouth, (b) $13,805; (d) $9725; (k1) $6986; (k2) $8452.

C. P. Moran, Waukegan, (c) $26,717.

Powers-Thompson Constr. Co., 221 South Chicago St., Joliet, (e) $29,067.

R. H. Newkirk, Joliet, (e) $43,623.

J. Hinden & Son, Pana, (f) $10,217.

Gund-Graham Co., Freeport, (g) $23,182.

E. Harris, Neoga, (h) $18,359.

A. C. Lomis, Mattoon, (h) $17,945.

Meyer & Peters, 313 Delaware St., Quincy, (i) $13,846.

A. O. McCoy, Versailles, (j1) $4580; (j2) $5154; (j3) $4760; (j4) $5135; (j5) $5014; (k1) $7068; (k2) $8368.

Cameron-Joyce Co., Keokuk, Ia., (k1) $7256; (k2) $8613.

Meckenson Bros., Hamilton, (k2) $8314.

B. M. Dean, Sparland, (l) $17,579.

J. Brogen, Eldred, (l) $17,548.

B. F. Clark & Son, 5052 Gates Ave., St. Louis, Mo., (m) $2300; (p) $4100.

Parnham Constr. Co., 3029 Waverly Pl., East St. Louis, (n) $4997; (o) $2947.

W. C. Johnson, Belleville, (n) $4750 on alteration design; (n) $5200 on state design.

T. Whitlock, Exeter, (o) $2400.

J. R. Sleeter, (p) $3900. Noted Apr. 24.

Ill., Chicago—Cook Co. received bids May 5, building (a) 22,729 lin.ft. Chicago-Waukegan-Milwaukee Rd. extending north from Dempster St., Morton Grove Village, 18 ft. roadway, 6 ft. earth shoulders, involving 56,891 sq.yd. 6 in. concrete pavement, 14,452 cu.yd. excav., 334 cu.yd. concrete in bridges, 14,633 lb. reinforced steel, etc.; (b) 10,241 lin.ft. Chicago-Waukegan-Milwaukee Rd. extending north from Milwaukee Ave., Niles Village, 18 ft. roadway, 6 ft. earth shoulders, 20,626 sq.yd. 6 in concrete, 4635 cu.yd. excav., 154 cu.yd. concrete in bridges, 5266 lb. reinforcing steel, etc.; (c) on 4 blocks Irving Park Blvd. from 60th to 64th Aves., 11 ft. roadway, 3334 sq.yd. concrete pavement, 782 cu.yd. excav., 38,096 lb. reinforcing steel, etc.; (1) Portland cement concrete, (2) asphaltic concrete, from Eclipse Constr. Co., Winnetka, (a1) $131,442; J. A. Rose & Co., 4651 Armitage Ave., (a1) $133,399; (b1) $48,658; (c1) $12,719; R. F. Conway Co., 133 West Washington St., (a1) $139,025; (a2) $177,473; (b1) $52,221; (b2) $65,834; Blase & Gerken, Chicago, (b1) $47,949; (c1) $11,723; E. W. Johnson, Chicago, (b1) $12,691; Reppert Constr. Co., Melrose Park, (c1) $13,085. Former bids rejected. Noted Apr. 24.

★**Wis., Port Washington**—City let contract grading, paving and installing 5 concrete culverts on Port Washington-Sankville-Sheboygan Rd., 16 ft. wide, 2 course rein.-con., to J. R. Griffith, St. Clair Ave., Racine, $38,000. Work involves 20,590 sq.yd. concrete.

Wis., Sheboygan Falls—City received bids paving, curbing and guttering 21 blocks Main St. and Bway., 18-20 ft. wide, involving 20,000 sq.yd. concrete, from Braun Constr. Co., North 14th St., Sheboygan, $36,815; Murphy Constr. Co., 8th St., Manitowoc, $37,510; Larson Constr. Co., 104 Main St., Oshkosh, $38,793.

★**Ia., Fairfield**—Comrs. Jefferson Co. let contract grading 18 mi. Blue Grass Rd., Federal Aid Project No. 3, 24 ft. wide, to Cameron & Joyce, Keokuk, $70,339. Noted Apr. 17.

★**Ia., Forest City**—Comrs. Winnebago Co. let contract grading 8½ mi. road from Buffalo Center to Thompson Rd., Sect. A to I inclusive, 24 ft. wide, to Wisely Bros., Forest City, $24,909. Work involves 71,197 cu.yd. earth excav.

Streets and Roads (Continued)

★**Minn., Anoka**—Anoka Co. let contract paving 23 blocks Federal Aid Project No. 16, State Rd. No. 1, to W. C. Harris, 2449 Pillsbury Ave., Minneapolis, $105,214. Work involves 9 acres clearing and grubbing, 86,298 cu.yd. excav., loading and hauling 22,135 cu.yd. sand clay surfacing material and 70,228 sq.yd. pavement.

★**Minn., Elbow Lake**—Comrs. Grant Co. let contract grading 5.09 mi. Job No. 1902, State Rd. No. 5, to Clear & Co., Herman, $12,917, concrete for above work, to T. T. Stuverud, Elbow Lake, $1010. Work involves 45,010 cu.yd. overhaul, 4474 cu.yd. side excav. and 26,982 cu.yd. earth excav., etc.

★**Minn., Minneapolis**—Comrs. Hennepin Co. let contract grading and graveling 5.78 mi. State Rd. No. 10, from Rd. No. 63 southwest to Co. Rd. No. 59, 18 ft. wide, to J. J. and M. S. Mergens, 401 Kasota Bldg., $30,000.

★**Minn., Pipestone**—Comrs. Pipestone Co. let contract curbing 42 mi. road, 24 ft. wide, to A. Zetherlung, Pipestone, $7724; paving, to Campbell Constr. Co., 3050 Hennepin Ave., Minneapolis, $79,763, also for 6687 cu.yd. grading, $0.88, 33,095 sq.yd. paving, $2.19. Noted May 1.

★**Minn., St. James**—City let contract paving 30 blocks to Hanon & Okes, 338 Lumber Exch., Minneapolis. About $140,000. Noted Apr. 17.

★**Neb., Harrington**—Cedar and Wayne Counties let contract grading and building culverts on 38 mi. Cedar-Wayne Rd., 24 ft. wide, to E. Peterson Co., 705-7 W. O. W. Bldg., Omaha, $41,123 and H. W. Culver, Hartington, $34,556; culverts to Giles & Co., Sioux City, Ia., $12,281. Noted Mar. 27.

★**Neb., North Platte**—Lincoln Co. let contract grading 19 mi. North Platte-Sutherland Rd., 24 ft. wide, involving 98,171 cu. yd. excav., to C. T. Whalen, North Platte, $36,660. Noted Mar. 27.

★**Mont., Butte**—City let contract paving Granite St. from Montana to Emmet Sts., bitulithic, to J. C. McGuire, Butte, $84,838.

★**Ark., Harrisburg**—Comrs. Poinsett Co. let contract building 13 mi. graded earth road in Rd. Impvt. Dist. No. 2, 22 ft. wide, to D. Smith, Marked Tree, $32,766. Work involves 79,900 cu.yd. earth excav., $0.34 per cu.yd.; 15 acres clearing and grubbing, $100 per acre; 28 cu.yd. rein.-con., $18 per cu.yd.; 55 cu.yd. plain concrete, $16 per cu.yd.; 630 lin.ft. 18-in. corrugated pipe $3.00 per lin.ft. and 236 lin.ft. 24-in., $3.50 per lin.ft.

★**Washington**—State Highway Bd., Olympia, let contract paving 6 mi. Pacific Highway from St. Clair to Nisqually, Thurston and Pierce Counties, involving 7533 sq.yd. 1-course concrete, 675 sq.yd. rein.-con., 2285 cu.yd. grading, and 768 lin.ft. rein.-con. guttering, to Allred, James & Hendricks, Centralia, $21,226. Noted Apr. 17.

★**Washington**—State Highway Bd., Olympia, let contract grading, draining and surfacing 6.2 mi. North Central Highway from Mohler to Harrington, involving 10,773 cu.yd. gravel surfacing, 29,235 cu.yd. grading and 9886 cu.yd. rock, to W. J. Smith & Co., Ritzville, $64,996. Noted Apr. 24.

Wash., Bremerton—City received bids grading and paving 4th Ave., from Pacific to High Sts., involving 11,000 sq.yd. concrete, 10,000 lin.ft. concrete curbing, sewers, etc., from R. H. Travers, Seattle, $47,335; W. O. Bullett, Bremerton, $48,271; S. Moceri, Seattle, $48,425. Noted Mar. 27.

★**Wash., Seattle**—Bd. Pub. Wks. let contract building Fairview Ave. North Trestle roadway, involving 5250 cu.yd. grading, 7000 lin.ft. piling, 220,000 ft. lumber and 98,000 ft. planking, to Hansen & Hauge, 105 North 84th St., $17,908.

★**Wash., Spokane**—City let contract grading, curbing, building sidewalks and retaining wall on Trent Ave., et al, to De Camp Bros. & Hughes, $23,550. Noted Apr. 10.

★**Oregon**—State Highway Comn., Salem, let contracts grading and macadamizing 2.7 mi. Yamhill-Nestucca Highway, Grand Rd. Sect., Yamhill Co., to N. Trent, McMinnville, about $35,396; grading and graveling Columbia Highway, Echo-Morrow Co. Line, Umatilla Co., to Porter & Conley, Ry. Exch. Bldg., Portland, about $180,552; The Dalles-Seuferts Rd., to United Contg. Co., Northwest Bank Bldg., Portland, $46,430; paving 6.2 mi. Oregon Washington Highway, Milton-Washington State line, Umatilla Co., and 9 mi. Adams Athena Rd., to Warren Constr. Co., Journal Bldg., Portland, about $105,051 and $170,085, respectively; 1.7 mi. John Day River Highway, Wheeler Co., to Copenhagen Bros., Henry Bldg., $8039; grading 1000 ft. Pacific Highway, Divide Overhead Approaches, Lane Co., to A. Johnson, Grants Pass, $12,389. Noted Mar. 13, 20 and 27.

★**Oregon**—State Highway Comn., Portland, rejected bids received Apr. 15, improving following roads: 8.3 mi. Amity-Holmes Gap Rd., Yamhill and Polk Counties; 8 mi. Sheridan-McMinnville Rd., Yamhill Co.; 10.4 mi. Yoncalla Rd., Douglas Co., and 13 mi. Myrtle Creek-Dillard Rd.; 3 mi. Walker-Cottage Grove Rd., Lane Co. Work will be done by day labor. Noted Apr. 10.

Ore., Astoria—City let contract hard surfacing Astor St. from 2nd to 10th Sts., to Miller & Bauer, Astoria, $125,980. Noted Apr. 3.

Ore., Astoria—City received lowest bid replanking Bond St. with 4 in. lumber and paving Taylor Ave. from west line McClure to Hull Aves., with concrete sidewalk 8 ft. wide, from S. Rytsala, Astoria, $18,400. Noted Feb. 27.

Railways

PROPOSED WORK

Illinois—East St. Louis Ry., 7 Collinsville Ave., East St. Louis, plans to extend electric railway line 5 mi., from east approach Free Bridge to Monsanto Chemical Wks., 2 mi. south of East St. Louis. H. Merker, ch. engr.

Washington—Chehalis, Cowlitz & Cascade Ry., Chehalis, plans to extend line 10 mi. from Onalaska to Winston Creek. W. R. Rehm, Chehalis, mgr.

BIDS DESIRED

Pennsylvania—Until May 24, by Bd. Comrs. Mt. Lebanon Twp., (Pittsburgh P. O.) rebuilding track of Pittsburgh Ry. on Washington Rd. also grading and repaving between rails of tracks. Work involves 3700 ft. track, 3000 sq.yd. vitr. brick on 6-in. concrete base. McCully Eng. Co., 709 Berger Bldg., Pittsburgh, engrs. Noted May 1.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Oregon**—Port of Astoria Comn., Astoria, let contract laying belt line track on Astor St. from 2nd to 10th Sts., to Miller & Bauer, Astoria, $14,197, cost plus percentage basis. Work involves 75 tons steel rails.

Excavation and Dredging

PROPOSED WORK

Mich., Detroit—Excavation—See "Streets and Roads."

BIDS DESIRED

Ind., Hartford City—Drainage—Until May 20, by Blackford Co. Surveyor, building Beach drain consisting of 28,155 ft. open work, 10,577 ft. tile work. B. E. Peck, supt. constr.

Mich., Grosse Pointe—Excavation—See "Streets and Roads."

Ill., Edwardsville—Irrigation—Until July 1, by G. Smart, P. O. Box 123, digging irrigation ditches on part of 900 acre farm near here. About $15,000. Laud & Smart, Wright Bldg., East St. Louis, engrs.

Minn., Gaylord—Ditch—Until June 3, by F. Hoppenstedt, aud. Sibley Co., building Judicial Ditch No. 7, in Sibley, Nicollet and Renville Counties. Work involves removing 953,192 cu.yd. open ditch suitable for dry land machine and 3612 cu.yd. open work for team work, cost, $77,156; 163,305 lin.ft. tile laterals, $85,185. J. W. Richardson, New Auburn, engr.

Minn., Stillwater — Excavation — See "Streets & Roads."

Ont., Sarnia—Dredging—Until May 22, by city, dredging and laying steel intake pipe and concrete crib in St. Clair River, near here. J. D. Stewart, clk. F. W. Thorold, 167 Avenue Rd., Toronto, consult. engr.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Minn., Anoka**—See "Streets & Roads."

★**Minn., Elbow Lake**—Excavation—See "Streets and Roads."

Industrial Works

PROPOSED WORK

Mass., Athol—See "Buildings."

Mass., Boston—C. C. Whittemore plans to build 2 story, 32 x 135 ft. brick and concrete storage plant on Boylston and Ipswich Sts. About $30,000.

Mass., Fall River—J. J. Burke plans to build 2-story, 50 x 150 ft. brick and rein.-con. garage, rein.-con. flooring, concrete foundation. About $30,000. Fallows & McLaughlin, 56 North Main St., archts.

Mass., Gardner—Central Oil & Gas Stove Co. soon receives bids building 1 story, 50 x 120 ft. and 3 story, 40 x 50 ft. brick, steel and concrete additions to factory, rein.-con. flooring, concrete foundation. About $40,000.

Mass., Holyoke—Goetz Silk Mfg. Co., 642 South Sumner St., soon lets contract building brick and steel addition to plant, rein.-con. flooring, concrete foundation. About $60,000. C. T. Main, 201 Devonshire St., Boston, engr.

Mass., Springfield—Natl. Equipment Co., 662 North Main St., plans to build 3-story, 100 x 372 ft. and 35 x 162 ft. rein.-con addition to factory. About $200,000.

Mass., Warren—Warren Steam Pump Co soon receives bids building 1 story, 85 x 200 ft. factory, 1 story, 40 x 130 ft. boiler house and 1 story 40 x 130 ft. office addition, brick and concrete, rein-con. flooring, concrete foundation. About $75,000.

R. I., Providence—M. Nahigan, 1027 Broad St., soon receives bids building 1-story, 106 x 120 ft. brick, concrete and steel garage, rein.-con. flooring, concrete foundation, on Broad and Gallatin Sts. Cost between $40,000 and $45,000.

R. I., Providence—W. R. Walker & Son, archts., 17 Custom House, soon receive bids building 2-story, 58 x 110 ft. brick and rein.-con. fireproof garage, rein.-con. flooring, concrete foundation, on Friendship St., for P. H. Quinn, 1411 Turks Head Bldg. About $50,000.

R. I., Woonsocket—Jarret & Proulx soon lets contract building 2-story, 75 x 150 ft. brick and mill construction mill, wood flooring, concrete foundation, on Park Ave. About $60,000. W. F. Fontaine, 285 Main St., archt.

Conn., Bristol — Barnes-Wallace Co., 30 Main St., soon receives bids building 1 story, 60 x 100 ft. fireproof addition to factory, rein.-con. flooring, concrete foundation. About $25,000.

Conn., Hamden (New Haven P. O.)—Yale Tire & Rubber Co., c/o J. E. Hubinger, pres., 827 Main St., New Haven, recently organized, plans to build factory and power house on Dixwell Ave., here. About $100,000.

Conn., South Manchester—G. E. Keith Furniture Co., 829 Main St., purchased site on Main and Bissell Sts., and plans to construct 1 and 3-story, 50 x 280 ft. furniture and business building with storehouse in rear.

Conn., Waterbury—M. Joseloff, 17 Brown Pl., soon receives bids building 3-story, 50 x 132 ft. fireproof warehouse and grocery, rein.-con. flooring, concrete foundation, on South Leonard St. About $75,000. F. A. Webster, Waterville, archt.

N. Y., Albany—Normanskill Farm Dairy Co., 120 South Swan St., had plans prepared by R. Warden, archt., building 4-story, brick factory, at 126-128 Jay St. About $50,000. C. P. Stevens, pres.

N. Y., Buffalo—See "Buildings."

N. Y., Buffalo—Wheat Ice Cream Co., 235 Elm St., having plans prepared by R. J. Reidpath & Son, archts., Buffalo, building 2-story, 92 x 150 ft. rein.-con. garage, rein.-con. flooring, concrete foundation, on Elm St. About $50,000.

N. Y., New York—Baker, Carver & Morrell, 37-39 Water St., soon receives bids altering 8-story brick and steel warehouse, rein.-con. flooring. About $80,000. Severence & Van Allen, 4 West 37th St., archts.

N. Y., New York — McCormick Co., archts., 41 Park Row, preparing plans for 2 story, 139 x 155 x 69 x 134 ft. brick and steel bakery, rein.-con. flooring, brick foundation, on 165th St. and Park Ave. About $100,000. Owner's name withheld.

N. Y., New York—Park & Tilford, 529 West 42nd St., having plans prepared by H. O. Chapman, archt., 334 5th Ave., building 7-story, 130 x 200 ft. brick and steel factory, rein.-con. flooring, concrete foundation, at 541-543 West 43rd St. through to 548-552 West 44th St.

N. Y., New York—R. T. Rane, Jr., Chicago, had plans prepared by Starrett & Van Vleck, archts., 8 West 40th St., building 4-story, rein.-con. and steel warehouse, rein.-con. flooring, concrete foundation, at 1996-2010 Park Ave., here. About $175,000.

Industrial Works (Continued)

N. Y., Olean—United States Glue Co. purchased 40-acre site adjacent to Pennsylvania R.R. and extending ½ mi. east of Clark St., and will soon receive bids for plant. About $500,000.

N. Y., Rome—Rome Gas, Electric Light & Power Co., 139 North James St., plans to issue $245,164 bonds to build gas and electric plant.

N. J., Paterson—Sunburst Baking Co., having plans prepared by The McCormick Co., archts., Century Bldg., Pittsburgh, Pa., building addition to bakery. About $30,000.

N. J., Trenton—Atlas Tire & Rubber Co. having plans prepared by J. Hunt, archt., 114 North Montgomery St., building 1 story, 90 x 400 ft., brick and steel plant, on Enterprise Ave. About $225,000.

Pa., Phila.—O. J. Maigne Co., 1017 Sansom St., soon lets contracts altering 3-story brick and steel factory. About $30,000. Dodge & Morrison, 135 Front St., New York City, archts.

Pa., Phila—P. M. Sax, engr., Franklin Bank Bldg., soon lets contract building 12-story, 43 x 80 ft., rein.-con. and brick factory, rein.-con. flooring, at 1220-24 Sansom St. Owner's name withheld. Noted Mar. 20.

Pa., Philipsburg—Hagerty Baking Co. having plans prepared by McCormick Co., archts., Century Bldg., Pittsburgh, building 66 x 110 ft. rein.-con., steel and brick bakery, rein.-con. flooring, concrete foundation. About $30,000.

Pa., Scranton—Scranton Lace Co., Glenn and Meylert Sts., having plans prepared by Lockwood, Greene & Co., archts., 101 Park Ave., New York City, building 3 story, 72 x 140 ft., rein.-con. and steel factory, rein.-con. flooring, concrete foundation. About $80,000.

Md., Baltimore—Hutzler Bros. Co., 212 North Howard St., plans to build 1 and 2-story, 60 x 60 x 154 ft., rein.-con., steel and brick garage, rein.-con. flooring, concrete and stone foundation, on Saratoga and State Sts. About $50,000. J. Pennington, 601 Professional Bldg., archt.

Va., Norfolk—Travelers' Garage Corp. plans to build 2 and 3-story rein.-con. garage, covering 66,000 sq.ft. floor space, on Plume St. W. P. Tunstall, Norfolk, engr.

W. Va., Clarksburg—Central Automobile Co., Morgantown, plans to build rein.-con. garage, concrete foundation, on Main St., here. About $75,000.

W. Va., Clarksburg—Lafayette Glass Co. plans to build 1 story, steel factory, rein.-con. foundation. About $125,000.

Ala., Albany—Southern Cotton Oil Co., 1st Natl. Bank Bldg., Montgomery, plans to increase capacity of mixing plant to 10,000 tons and build gin with 72-bale capacity, near oil mill here. About $50,000.

Ky., Louisville—Louisville Cotton Seed Oil Co., 1318 McHenry St., plans to rebuild plant recently destroyed by fire. Loss $500,000.

O., Cleveland—Bricklayers Assn., c/o L. E. Hoffman, 2416 East 9th St., had plans prepared by A. N. Ferguson, archt., 212 Erie Bldg., for 3-story, 61 x 140 ft., concrete, steel and brick garage and club rooms, concrete foundation, at 2101 East 21st St. About $100,000.

O., Cleveland—City Auto Tire & Supply Co., 2415 Chester Ave., had plans prepared by G. S. Rider Co., archts., Century Bldg., for 1-story, 40 x 137 ft., concrete, steel and brick factory addition. About $25,000.

O., Cleveland—W. S. Davidson, East 95th St. and St. Clair Ave., had plans prepared by W. Dunbar Co., archts., 8201 Cedar Ave., building 1-story, 132 x 139 x 140 x 162 ft., steel and brick garage, on East 95th St. and St. Clair Ave. About $50,000.

O., Cleveland—Ferry Cap & Set Screw Co., 2151 Scranton Rd., had plans prepared by E. McGeorge, archt., 1900 Euclid Bldg., for 3-story, 48 x 155 ft. and 56 x 189 ft., concrete, steel and brick factory addition. About $75,000.

O., Cleveland—Forest City Motor Co., 6504 Euclid Ave., plans to build 1- and 2-story, 55 x 300 ft. concrete, steel and brick service and sales building at 6510 Euclid Ave. About $60,000. E. E. Smith, 1529 Williamson Bldg., archt.

O., Cleveland—A. Haberman Provision Co., 2302 B'way Ave., had plans prepared building 2-story, 45 x 60 ft., rein.-con., steel and brick addition to factory. About $25,000.

O., Cleveland—Ko-Ko-Mar Co., Leader-News Bldg., having plans prepared by A. C. Bishop, archt., 427 Guardian Bldg., converting concrete, steel and brick brewery into food products plant. About $40,000.

O., Cleveland—Paul Bros. Co., Citizens Bldg., plans to build 6-story, 99 x 132 ft., rein.-con., steel and brick factory and garage., rein.-con. flooring, concrete foundation, on East 18th St. and Euclid Ave. About $175,000. W. S. Ferguson, 1900 Euclid Bldg., archt.

O., Cleveland—Peerless Motor Co., East 55th St. and Carnegie Ave., having plans prepared by W. J. Carter, archt., 723 Illuminating Bldg., for 3-story, 40 x 80 ft., concrete, steel and brick addition to factory on East 93rd St. and Quincy Ave. About $75,000.

O., Cleveland—Warner & Swasey Co., 5701 Carnegie Ave., had plans prepared by Truscon Steel Co., archts., 651 Hippodrome Bldg., for 1-story, 90 x 176 ft., steel factory addition at 5815 Cedar Ave. About $30,000.

O., Dayton—Borchers Auto Co., 6th and Canal Sts., plans to build 4-story, rein.-con. garage and salesroom, rein.-con. flooring and concrete foundation, at 366-370 South Main St. About $175,000. Frank Hill Smith Co., East 3rd St., archts.

O., Martins Ferry—See "Waterworks."

O., Stacyville—See "Miscellaneous."

Ill., Granite City—M. Carney, archt., Wright Bldg., East St. Louis, receives bids about July 15, building 1 and 2-story, 100 x 125 ft., brick and steel warehouse, concrete flooring, rock foundation, on Elm St. and Bway., for Southern Mfg. Co., 320 Elm St., East St. Louis. About $50,000.

Wis., St. Anna—W. J. Stollenwerk plans to build 2-story, 50 x 100 ft., rein.-con. and brick garage, brick foundation. About $60,000.

Wis., Two Rivers—Wisconsin Textile Mfg. Co. soon lets contract building 1 story, 90 x 200 ft., rein.-con., brick and steel plant, rein.-con. flooring, brick foundation on Main St. About $100,000.

Minn., Wells—City plans to build power plant, electrical distribution system and concrete reservoir. About $40,000. C. L. Pillsbury Co., 801 Metropolitan Life Bldg., Minneapolis, engrs.

S. D., Aberdeen—Farmers Equity Union Creamery soon receives bids building 2-story, creamery. About $60,000.

N. D., Fargo—W. E. Heller, 604 Front St., plans to build 2-story, fireproof garage. About $25,000. W. D. Gillespie, 64½ Bway., archt.

N. D., Walhalla—Farmers' Seed Potato Growers' Assn. soon lets contract building 2-story, 70 x 130 ft. warehouse, 100,000 bu. capacity. A. D. Knutson, secy. G. L. Saxton, 1228 Plymouth Bldg., Minneapolis, Minn., archt. Noted Mar. 13.

Mo., St. Louis—S. Hamburg, Jr., 2407 North Bway., plans to build 5-story, 100 x 122 ft., rein.-con., and steel service station and mercantile building, rein.-con. flooring and concrete foundation, on Leonard and Locust Sts. Cost to exceed $50,000.

Mo., St. Louis—W. H. McNicol & Bros., c/o Weisels-Gerhart Real Estate Co., 8th and Chestnut Sts., plan to build 1-story, 100 x 140 ft., garage and service station on McPherson St. between Walton and Euclid Aves. Cost to exceed $50,000.

Mo., St. Louis—Motor Garage & Realty Co., 46 Kingsbury Pl., having plans prepared building 3-story, 250 x 250 ft., rein.-con., steel and brick garage, rein.-con. flooring, concrete foundation, on block bounded by 17th, 18th, Pine and Chestnut Sts. About $300,000. N. W. Ewing, pres.

Wash., Hoquiam—Whitney Motor Co., plans to build 2-story, 100 x 125 ft. fireproof garage, etc. About $50,000. F. T. Whitney, mgr.

Wash., Seattle—Journal Terminals, Inc., plan to build 2-story, 102 x 690 ft., rein.-con. terminal, rein.-con. flooring, concrete foundation, on Duwamish Waterway. Plans include depressing railroad tracks and building 20 x 420 ft. wharf. About $100,000. J. R. Nevins, Hoge Bldg., archt.

Wash., Seattle—Pike & Lind, Olive and Harvard Sts., plan to construct 5 story, 120 x 240 ft. automobile building, brick, concrete and heavy mill construction, rein.-con. flooring, concrete foundation, on Olive and Harvard Sts. About $125,000. H. Bittman, Securities Bldg., engr.

Ore., Astoria—Port of Astoria Comn. soon lets contract building 6-story, 47 x 100 ft. rein.-con. flour mill, 3-story, 32 x 47 ft. packing room annex, and 3-story 30 x 47 ft. office annex. R. R. Bartlett, ch. engr.

Ore., Linnton—Associated Oil Co. plans to build rein.-con. warehouse, 10 cottages and garage. About $175,000. A. D. Parker, dist. mgr.

Cal., Modesto—Modesto Gas Co. plans to build gas generating unit, 300,000 cu.ft. steel gas holder, install 2 purifiers and extend gas mains to new sections of city. About $65,000.

Ont., Toronto—W. Davies Co., Ltd., 521 Front St. E., plans to build rein.-con. slaughter house, at Ashbridges Bay. About $100,000. J. Gillies, c/o owner, archt.

Ont., Toronto—E. L. Ruddy Co., 11 Wellington St. E., having preliminary plans prepared by James, Loudon & Hertzberg, archts., Excelsior Life Bldg., for 1 story, 100 x 100 ft. brick and mill construction factory. About $30,000.

BIDS DESIRED

Conn., Hartford—E. M. Stone, archt., 327 Trumbull St., receiving bids building 7-story fireproof garage and 1-story salesroom, rein.-con. flooring, concrete foundation, on Ann St., for C. P. Cooley, 36 Pearl St. About $90,000.

Pa., Altoona—R. W. Nash, pres. Altoona Grocery Co., 200 Chestnut Ave., receiving bids building 2 story, 118 x 120 ft. brick, steel and concrete bakery on 9th Ave. and 28th St. About $90,000. Former bids rejected. McCormick Bros., Century Bldg., Pittsburgh, archts. Noted Apr. 24.

Pa., Harrisburg—See "Buildings."

Pa., Pittsburgh—Donaldson Commercial Truck Garage, North Side, receiving bids building 1 and 2-story, 100 x 227 ft., rein.-con., steel and brick garage, rein.-con. flooring, on Weston and Bidwell Sts., North Side. About $75,000. Hunting-Davis Co., Century Bldg., archts. Noted Apr. 24.

O., Cleveland—Drake's Process Mchy. Co., 1255 West 4th St., receiving bids building 3-story, 50 x 150 ft. concrete, steel and brick factory, rein.-con. flooring, concrete foundation, on East 105th St. and Quincy Ave. About $75,000.

O., Cleveland—H. M. Morse, archt., 413 Citizens' Bldg., receiving bids building 1-story, 75 x 160 ft., rein.-con., steel and brick

Minn., Hastings—Until Aug. 1, by State Bd. Control, St. Paul, building 1-story, 45 x 140 ft., rein.-con. and brick power plant, here. About $125,000. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, archt.

Mo., Tebbetts—Until May 28, by R. C. Stone, archt., 320 Merchants Exch. Bldg., St. Louis, building grain elevator, 50,000 bu. capacity, for Tebbetts Milling & Elevator Co. About $35,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Adams Pond Co., Dorchester, will build 2-story, 50 x 100 ft., rein.-con. supply house, rein.-con. flooring, concrete foundation, on Commonwealth St., here. About $30,000. Work will be done by day labor.

★**Mass., Brockton**—Donnelly Machine Co., 26 North Montello St., let contract building 2-story, 40 x 177 ft. brick addition to machine shop, rein.-con. flooring, concrete foundation, to D. E. Green, 56 Taber Ave. About $35,000.

★**Mass., Brookline** (Boston P. O.)—See "Buildings."

★**Mass., Cambridge** (Boston P. O.)—Cambridge Gas Co. let contract building 1 story, 66 x 92 ft. brick and concrete garage and repair shop, brick and concrete foundation, on Potter St., to W. A. Wentworth Co., 15 Exchange St., Boston. About $50,000.

★**Mass., New Bedford**—Fairhaven Mills, 115 Coggleshell St., let contract building 1-story, 200 x 300 ft., brick and mill construction addition to mill, rein.-con. flooring, concrete foundation, to C. Ranger Constr. Co., 20 Bond St., Holyoke. About $126,000. Noted Apr. 17.

★**Mass., Swansea**—Swansea Dye Wks. will build 2-story, 50 x 100 ft. brick and steel addition to bleach house, concrete foundation. About $25,000. Work will be done by day labor.

Industrial Works (Continued)

R. I., Providence—Coronet Worsted Co., 1029 Grosvenor Bldg., let contract building 2 story, 64 x 83 ft. brick and steel addition to factory, rein.-con. flooring, concrete foundation, in Maplewood, to C. I. Bigney Constr. Co., 898 Westminster St. About $28,000.

★**R. I., Woonsocket**—Sydney Worsted Co., Allen St., let contract building 2-story, 75 x 150 and 20 x 60 ft. brick and mill construction addition to mill on Mason St., to J. C. N. Bouvier, 189 Sayles St. About $75,000.

★**Conn., Bridgeport**—Greenbaum & Kovacs, 893 Hancock Ave., let contract building 1-story, 50 x 140 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Fairfield Ave. and Whittier St., to A. P. Pustay, King St. Cost between $25,000 and $30,000. Noted Feb. 27.

★**Conn., Bridgeport**—Home Brewing Co., 226 Hallam St., let contract building 1 story, 50 x 150 ft. brick and concrete ice plant, rein.-con. flooring, concrete foundation, on Hallam St., to Schwarz Bros. Co., 95 River St. About $200,000.

★**Conn., Bristol**—Dunbar Bros. Co., 80 South St., let contract building 3-story brick and steel addition to factory, concrete foundation, on South St., to Ellison Constr. Co., 60 Prospect St., Hartford. About $60,000.

★**Conn., Hartford**—Billings & Spencer, Park and Laurel Sts., let contract building 1 story, 60 x 80 ft. machine shop and 4 story, 16 x 30 ft. additon to factory, brick, steel and concrete, concrete foundation, to J. H. Grozier Co., 721 Main St. About $25,000.

★**Conn., Hartford**—Swift & Co., 60 North Market St., Boston, Mass., let contract building 2-story, 78 x 100 ft., brick and concrete storage building, rein.-con. flooring, concrete foundation, on Church St., here, to J. H. Grozier Co., 721 Main St. About $90,000. Noted Jan. 16.

★**Conn., Norwich**—M. B. Ring Estate, 21 Chestnut St., let contract building 1-story, 40 x 113 ft brick and concrete garage and paint shop, rein.-con. flooring, concrete foundation; also altering present plant, to P. F. Sweeney, 125 Spalding St. About $25,000.

★**Conn., Windsor Locks**—G. P. Clark Co., Canal Bank, let contract building 3 story, 60 x 185 ft. rein.-con. and steel factory, rein.-con. flooring, concrete foundation, to Ellison Constr. Co., 60 Prospect St., Hartford. About $100,000.

★**N. Y., Fredonia**—Red Wing Grape Juice Co. let contract building 4-story, 48 x 80 ft. rein.-con. and brick warehouse and factory, rein.-con. flooring, concrete foundation, to Tifft Constr. Co., Iroquois Bldg., Buffalo. About $70,000. Noted May 1.

★**N. Y., New York**—Congress St. Warehouse & Forwarding Co., 474 West Bway., let contract building, 1-story, 63 x 75 ft., brick and steel garage, rein.-con. flooring, brick foundation, to Lythic Bldg. Co., Inc., 103 Park Ave.

★**N. Y., New York**—H. Duys & Co., 170 Water St., let contract building 5-story, brick and steel warehouse, rein.-con. flooring, concrete foundation, at 142 Water St., to H. Hupfauf, 7 East 42nd St. About $35,000, cost plus percentage basis.

★**N. Y., New York**—A. J. Schwartzler, 369 East 167th St., will build 2-story, 122 x 190 ft. brick and steel ice plant, rein.-con. flooring, concrete foundation, on Fordham Rd. and Cedar Ave. About $45,000. Work will be done by day labor.

★**Pa., Milton**—Susquehanna Silk Mills, 149 Madison Ave., New York City, let contract building 3 story, 100 x 400 ft. rein.-con. silk mill here, to Turner Constr. Co., 244 Madison Ave., New York City.

★**Pa., Nanticoke**—Duplan Silk Co., 35 Madison Ave., New York City, let contract building 1 and 2-story, 100 x 550 ft. brick and steel, mill construction silk mill, rein.-con. flooring, concrete foundation, here, to United Proofing Co., 8 West 40th St., New York City. Noted May 1.

★**Pa., Phila.**—United Grocery Co. let contract building 3 story, 80 x 200 ft., rein.-con., brick and steel warehouse, at 943 North 2nd St., to B. Bornstein, 1510 North Franklin St. Noted Apr. 27.

Md., Baltimore—Crouch & Leeser, 114 East Lombard St., received bids building 1 story, 81 x 200 ft., concrete, steel and brick garage, cement flooring, brick and concrete foundation, on York Rd. and 35th St., from H. M. Reinhart, 523 Calvert Bldg.; H. T. Sorrell, 1334 North Gilmor St.; West Constr. Co., 907 Amer. Bldg.; G. Runge, Lauraville, and W. T. Childs, 14 West 20th St. About $50,000. Noted Apr. 17.

★**Md., Baltimore**—Helwig & Leight, 1533 Gorsuch Ave., let contract building 2-story, 48 x 90 ft., concrete and brick addition to factory, concrete foundation, at 1529 Gorsuch Ave., to G. A. Gebb, 1347 Gorsuch Ave. About $50,000.

★**W. Va., Mullins**—Roanoke Grocery & Milling Co. Roanoke, let contract building 5-story, brick and rein.-con. warehouse, on Main St., to D. J. Phipps, Roanoke. About $50,000.

★**O., Alliance**—Alliance Sanitary Milk Co. let steel contract building rein.-con., steel and brick dairy and ice cream plant, concrete foundation, to Alliance Structural Co., Alliance, concrete work, to D. Anderson, Alliance. Total about $40,000.

★**O., Cleveland**—Natl. Lamp Works, Nela Park, will build 1-story, 63 x 194 ft., concrete, steel and brick garage, at 1141 East 152nd St. About $50,000. Work will be done by day labor.

★**Ind., Richmond**—Starr Piano Co. let contract building 6-story, 100 x 200 ft., rein.-con. factory, to Grant Smith Co., Chicago, Ill. About $100,000.

★**Ill., East St. Louis**—East Side Packing Co., 2nd and Lynch Sts., let contract building 6-story, 75 x 125 ft., brick and concrete cooling and sausage-making plant, rein.-con. flooring, concrete foundation, at stockyards, to Tait & Nordmeyer, International Life Bldg., St. Louis, Mo. About $300,000.

Wis., Chilton—Meli-Blumberg Co. let contract building 2-story, 60 x 130 ft., rein.-con. and brick garage, rein.-con. flooring, brick foundation, to Immel Constr. Co., 200 North Main St., Fond du Lac. About $48,000.

★**Wis., Sheboygan**—Bemis-Riddel Fibre Co., South Water and 9th Sts., let contract building 4-story, 60 x 150 ft., brick and steel plant, rein.-con. flooring, brick foundation, on South 15th St., to Verhulst Bros., Sheboygan. About $55,000. Noted Apr. 24.

Wis., Sheboygan—Jenkins Machine Co., 315 North 8th St., let contract building 1-story, 50 x 191 ft., steel and brick machine shop, brick foundation, on Niagara and 8th Sts., to Verhulst Bros., Sheboygan. About $41,000.

Wis., Sheboygan—Standard Oil Co., 105 Wells St., Milwaukee, let contract building 1-story, 50 x 90 ft., concrete, stucco and brick, filling station, brick foundation, on 7th and Wisconsin Sts., to M. Schuchard, 1511 North 6th St. About $38,000.

★**Minn., Minneapolis**—Sheffield Elevator Co., 908 Flour Exch., let contract building concrete grain elevator, 89 ft. high, on Garfield Ave. and 29th St., S., to J. H. Brown Co., 511 South 3rd St. About $70,000.

★**Neb., Lincoln**—Union Wall Paper & Paint Co., 145 South 10th St., let contract building 3-story, 50 x 142 ft., rein.-con. and brick warehouse, rein.-con. flooring, concrete foundation, at 1420 P St., to Olson Constr. Co., 205 Chapin Bldg., $50,200.

★**Mo., Joplin**—Christmas Dry Goods Co., 5th and Main Sts., let contract building 3-story, 104 x 120 ft., concrete and brick warehouse, rein.-con. flooring, concrete foundation, on 5th St. and Virginia Ave., to C. A. Dieter Constr. Co., Independent Bldg. About $50,000. Noted May 8.

★**Mo., Joplin**—Connor Investment Co., Miners Bank Bldg., let contract building 1-story, 60 x 120 ft. laundry, concrete foundation, on 4th and Joplin Sts., to A. Greenwell, 1712 Baxter St. About $25,000.

★**Mo., St. Louis**—McQuay Norris Piston Ring Co., 2808 Locust St., let contract building 1- and 2-story plant on Oak Hill R.R. and Cooper St., rein.-con., steel and brick, rein.-con. flooring and concrete foundation, to Fruin Colon Constr. Co., Merchants' Laclede Bldg. About $150,000. Plans include 101 x 181 ft. machine shop, 61 x 181 ft. storage building, 61 x 181 ft. foundry, 60 x 34 x 73 ft. garage and service building and 60 x 120 ft. administration building. Noted Mar. 13.

Mo., St. Louis—Monarch Metal Weather Strip Co., 4121 Forest Park Blvd., let contract building 1-story, 145 x 169 ft., rein.-con., steel and brick factory, concrete foundation, at 5026-32 Penrose St., to Woermann Constr. Co., Century Bldg. About $40,000. Noted Apr. 24.

★**Wash., Seattle**—Rhodes Bros. Co., 2nd and Union Sts., let contract building 3-story, 50 x 110 ft., mill construction warehouse, concrete foundation, on Westlake N. and Republican Sts., to H. F. Allen, Seattle, $42,350.

★**Ore., Salem**—Valley Packing Co., let contract building packing plant to F. J. Leonard, Lewis Bldg., Portland. Cost, including equipment, $130,000. Plans include 3-story, 82 x 82 ft. main building, and 24 x 36 ft. building for rendering tanks, boiler room and fertilizer department.

★**Cal., Fresno**—H. A. Seller & Co., 823 J St., let contract building 1 story, 80 x 150 ft., rein.-con. garage and shop, on J and Monterey Sts., to A. Mattei, I and Los Angeles Sts. About $30,000.

★**Cal., San Fernando**—San Fernando Lemon Assn. let contract building 2 story, 100 x 199 ft., rein.-con., hollow tile and frame packing house, on Brand Blvd., to Hamm & Shepherd, 205 Central Bldg., Pasadena. About $30,000.

★**Cal., Whittier**—Whittier Walnut Growers' Assn. let contract building 2 story, 80 x 100 ft., frame and plaster, packing house, concrete foundation, to F. S. Bishop, Santa Ana. About $30,000.

★**Que., Montreal**—Montreal Biscuit Co., 1008 Green Ave., let general contract building 4 story, 90 x 308 ft., mill construction factory, on Brewster Ave., to I. Collins, 207 Ash Ave.; masonry, to W. E. Pick, 354 Hingston Ave. About $110,000.

Buildings

PROPOSED WORK

Mass., Amherst—Dormitory—State Legislature, Capitol, Boston, appropriated $127,400 to build women's dormitory on campus, for Massachusetts Agricultural College here.

Mass., Athol—Church—St. Francis Lithuanian congregation plans to build new church on Main St. to replace one destroyed by fire. About $50,000. A. Petraitis, pastor.

Mass., Athol—Office, etc.—Frost & Chamberlain, archts., State Bldg., Worcester, soon receives bids building 4 story, 63 x 190 ft. brick office and storage building, concrete foundation, for Union Twist Drill Co., Athol. About $100,000.

Mass., Athol—Hospital—E. T. Chapin, archt., State Mutual Bldg., Worcester, soon receives bids building 3 story, 40 x 75 ft. with 2 wings and 3 story, 40 x 70 ft. brick addition, rein.-con. flooring, concrete foundation, for Athol Memorial Hospital, Newton St. About $75,000.

Mass., Boston—Theater—O. F. Farley, 27 State St., having plans prepared by Blackall, Clapp & Whittemore, archts., 20 Beacon St., building 2-story, 200 x 200 ft. brick and concrete, on West Bway. About $300,000.

Mass., Plymouth—Hall—Town plans to build hall on Court St. About $75,000. A. Lord, North St., chn. bldg. com. McKim, Mead & White, 101 Park Ave., New York City, archts.

Mass., Ware—Community—Bd. Trade, 45 Main St., plans to build community house. About $60,000. D. L. Washburn, chn.

Mass., Warren—Office—See "Industrial Works."

R. I., Howard—Jail—State Penal and Charitable Comn., Providence, plans to build 3 story, 60 x 300 ft. rein.-con. addition, here. About $125,000.

R. I., Howard—Institute—State Penal and Charitable Comn., Providence, plans to convert 2 story house of correction into almshouse. About $75,000. J. H. Cady, 10 Weybossett St., Providence, archt.

R. I., Howard—Institute—State Penal and Charitable Comn., Providence, soon receives bids building 3 story, fireproof, house of correction, rein.-con. flooring. About $300,000. J. H. Cady, 10 Weybossett St., Providence, archt.

Conn., Bridgeport—Hotel—F. H. Beckwith, archt., 10 Post Office Arcade, soon receives bids building 5-story, 75 x 86 ft. brick and terra cotta, rein.-con. flooring, concrete foundation, on Golden Hill St. About $100,000. Owner's name withheld.

Conn., Bristol—Hotel—F. C. Walz, arch., 348 Trumbull St., Hartford, soon receives bids building 4-story, 42 x 80 ft. concrete and brick, rein.-con. flooring (1st floor only), concrete foundation, on North Main St., here, for H. Perlstein, 82 Oakland Terrace, Hartford. About $50,000.

Buildings (Continued)

Conn., Hampden (New Haven P. O.)—School—Brown & Von Beren, archts, 185 Church St., New Haven, soon receive bids building 2-story, 4-room, brick and steel addition, rein.-con. flooring, concrete foundation, on State St., for Bd. Educ. About $50,000. F. W. Dietter, 1262 Whitney Ave., chn.

Conn., Hartford — Club — Italian-Amer. Club plans to build clubhouse on Prospect St. About $100,000. Address J. M. D'Esopo, 60 Temple St.

Conn., Hartford—Sales, etc.—M. J. Unkelbach, archt., 162 Main St., New Britain, soon receives bids erecting 2-story, 65 x 300 ft. fireproof auto sales and service building, rein.-con. flooring, concrete foundation, on Washington St., for A. C. Hine Co., 314 Pearl St. About $80,000.

Conn., Harwinton—School—Town plans to build fireproof school at Harwinton Center. About $70,000.

Conn., Manchester—Hospital—Town had plans prepared by Smith & Bassett, archts., 26 Pearl St., Hartford, building 3-story, 45 x 90 ft., brick, steel and concrete, rein.-con. flooring, concrete foundation, on Haynes St. About $80,000.

Conn., Mansfield—School, etc.—Mansfield State Training School & Hospital plans to erect school, custodial building, dining room and amusement hall. State Legislature, Hartford, appropriated $250,000 bonds for project.

Conn., New Britain—Church and Parish House—G. A. Zunner, archt., 756 Main St., Hartford, receives bids about June 1, building 1 story, 60 x 92 ft. church and 2 story, 35 x 45 ft. parish house, brick, rein.-con. flooring, concrete foundation, on Wilcox and West Sts., for All Saints' Church. About $80,000.

Conn., New Haven—Business, etc.—Resnik-Slade Co., 865 Chapel St., plans to build 3-story brick, on Temple St., also convert present building into assembly hall. About $60,000.

Conn., South Manchester—Business—P. J. O'Leary, 887 Main St., purchased site on Main St. and plans to erect business building. About $50,000.

Conn. South Manchester—Church—St. Mary's Episcopal congregation, 49 Park St., plans to build brick church. About $50,000. J. S. Neill, pastor.

Conn., Stratford (Bridgeport P. O.)—School—Town plans to issue $100,000 bonds to build school.

Conn., Waterford—School—Town plans to issue $50,000 bonds to build school.

N. Y., Batavia—Hospital—Sisters of Mercy, c/o St. Jerome Hospital, Banks St., soon receives bids building 3-story, 37 x 70 ft. brick, fireproof construction. About $80,000.

N. Y., Brooklyn—Home and Hospital—Brooklyn Hebrew Home and Hospital for Aged, Howard and Dumont Aves., having plans prepared by L. Abramson, archt., 220 5th Ave., New York City, building 4-story, 90 x 100 ft. brick and steel addition, brick foundation. About $100,000. C. Rosenthal, pres. Noted May 1.

N. Y., Brooklyn—Theatre—I. Miller, 1663 Union St., having plans prepared by T. Short, archt., 370 Macon St., building 2 story, 100 x 145 ft. brick and steel, brick foundation, on St. Johns Pl. and Utica Ave. About $150,000.

N. Y., Buffalo—Barn—H. L. Beck, city archt., soon receives bids building 2-story, 175 x 400 ft. brick and rein.-con., rein.-con. flooring, concrete foundation, on Hudson St., for city. About $300,000.

N. Y., Buffalo—Home—H. L. Beck, city archt., soon receives bids building 3-story, 60 x 125 ft. brick and steel detention home, rein.-con. flooring, concrete foundation, on East Ferry St. About $100,000.

N. Y., Buffalo—Office, etc.—Meyer Motor Car Co., Inc., 1056 Main St., plans to build brick and steel office, salesroom and service shop, at 1271 Main St. About $50,000.

N. Y., Depew—High School—Bd. Educ. having plans prepared by Kidd & Kidd, archts., 232 Delaware Ave., Buffalo, for 2-story brick and rein.-con. addition, rein.-con. flooring, concrete foundation. About $50,000.

N. Y., Long Island City—Bank—Long Island City Savings Bank, Bridge Plaza, having plans prepared by R. G. Ecob and T. C. Visscher, archts., 299 Madison Ave., New York City, building 3-story, 70 x 85 x 100 ft. brick and steel, brick foundation, at Queensboro Bridge Plaza.

N. Y., Mt. Morris—Hospital—Bd. Supervs. Livingston Co., (Geneseo) and Genesee Co., (Batavia) plan to build tuberculosis hospital on J. F. White site here. About $75,000. Address F. L. Willett, Portage.

N. Y., New York—Office—Merchant Marine House, Inc., 56 Beaver St., had plans prepared by Zeister & Kerrigan, archts., 53 Beaver St., building 4½-story, brick and steel, at 53 Beaver St. About $125,000.

N. Y., New York—Hotel—Warren & Clark, archts., 108 East 29th St., preparing plans building 16 story, 150 x 200 ft. brick and steel, brick foundation, on 5th Ave. near 50th St. About $500,000. Owner's name withheld.

N. Y., New York—Store and Office—Hudson Motor Co. of New York, 1842 Bway., had plans prepared by E. J. Moeller, archt., 103 Park Ave., building 10-story, 100 x 100 ft. brick and steel, concrete foundation, on 62nd St. and Amsterdam Ave. About $550,000.

N. Y., Syracuse—Club—Syracuse Boys' Club, 436 East Jefferson St., soon receives bids erecting 2-story, brick, on 90 x 160 ft. site. About $100,000. H. W. Cook, pres. M. L. King, Snow Bldg., archt.

N. Y., Syracuse—Club—A. S. Carlson, Syracuse Savings Bank Bldg., purchased 150 acre site on South Bay Rd., and is having plans prepared for several buildings to be used as a mens' training camp. About $60,000.

N. Y., Watertown—Temple—Media Temple, A. A. O. N. M. S., having plans prepared for shrine temple. About $200,000. Address F. L. Moore, Keyes Ave., potentate.

N. J., Hackensack—Hospital—Bd. Freeholders Bergen Co. plans to build tuberculosis hospital. About $50,000.

Pa., Altoona—Hotel—Leroy Hotel Co., 1021 Chestnut Ave., plans to build 8 story, 109 x 130 ft., concrete, steel and brick, concrete flooring, on Chestnut Ave. W. Frieling, Hutchinson Bldg., archt.

Pa., Phila.—Bank—Kensington Trust Co., Kensington and Allegheny Aves., soon receives bids building 1 story, 54 x 78 ft. and 15 x 54 ft. rein.-con. addition to existing building. About $50,000. Heacock & Hokanson, Bailey Bldg., archts. Noted Feb. 6.

Pa., Phila.—Stations—W. S. Twining, dir. dept. city transit, 1211 Chestnut St., rejected bids received Apr. 29 for elevated stations for Frankford Elevated Ry. on Kensington Ave., as same were too high. New bids will be asked. Noted Apr. 24.

Pa., Phila.—Theatre—Fisher & Jones, archts., Westinghouse Bldg., Pittsburgh, soon lets contract building 6 story, rein.-con. and brick, on Queens Lane and Schuyler Rd. here, for W. Hutchinson, Jr., Phila. About $450,000.

Pa., Pittsburgh—Home—Western Pennsylvania Institution for Blind, Bellefield Ave., plans to build addition of 2 wings to existing building at Bellefield Ave. and Bayard St. About $115,000.

Md., Baltimore—Clubhouse—A. Blumberg, 223 West Baltimore St., N. Sauber and L. Kramer, 113 South Hanover St., and associates, plan to build 4-story, 45 x 105 ft., rein.-con., steel and brick, concrete and brick foundation, on Eutaw Pl. L. Levi, Real Estate Trust Bldg., Phila., archt.

Md., Baltimore—School—St. Mary's Industrial School plans to rebuild school on Wilkens and Caton Aves. About $700,000. O. B. Corrigan, St. Gregory's Church parsonage, Gilmer and Baker Sts., chn.

Md., Baltimore—Store and Office—G. R. Morris, pres. Apartments Corp., 533 Title Bldg., plans to remodel old Y. M. C. A. building on Charles and Saratoga Sts. Plans include converting first floor into stores with arcade running from Charles to Saratoga Sts., and 3 upper floors into offices. About $60,000.

Md., Baltimore — Theatre — Vagabond Players, 5 West Center St., having plans prepared by E. L. Palmer, Jr., archt., 519 North Charles St., building 1 and 2 story, 70 x 100 ft., concrete, steel and brick, at 16-22 East Hamilton St. About $50,000.

W. Va., Fairmont—High School—Bd. Educ. plans election May 20 to vote on $150,000 bonds to build high school in Union Dist.

S. C., Charleston—Hotel—T. T. Hyde is forming corporation to build 12-story, 107 x 167 ft., brick and stone on King and Calhoun Sts. Total cost, $750,000. About $100,000 available.

Ga., Atlanta—Bank—Federal Reserve Bank, Hutt Bldg., plans to construct 3-story bank, and 1-story addition to existing building on Marietta St. About $150,000. A. T. Brown, Forsythe Bldg., archt.

Ga., Lagrange — School — See "Waterworks."

Fla., Daytona—Theatre and Store—T. Titus soon receives bids building 70 x 100 ft. About $50,000.

Ala., Birmingham—Theatre—L. Pizitz, 118 19th St., plans to build theatre and roof garden, in connection with department store, on 19th St. and 2nd Ave. About $500,000.

O., Cleveland—Bank—Cleveland Trust Co., East 9th St. and Euclid Ave., plans to build 4-story, rein.-con., steel and brick addition. About $75,000. G. B. Post & Son, Schofield Bldg., archts.

O., Cleveland — Church — Cleveland Heights Methodist congregation, Lee Rd. and Euclid Heights Blvd., plans to build 2-story, concrete, steel and brick. About $100,000.

O., Cleveland—Club Rooms—See "Industrial Works."

O., Cleveland—Commercial—Arjo Realty Co., c/o J. Laronge, Williamson Bldg., having plans prepared by Lehman & Schmidt, archts., 201 Electric Bldg., for 5-story, 80 x 109 and 100 x 420 ft., concrete, steel and brick, on East 66th St. and Carnegie Ave. About $750,000.

O., Cleveland — Store and Office — C. 413 Engrs. Bldg., having surveys made and plans prepared by Whitworth & Johnson, archts., 413 Engrs. Bldg., for 2-story, concrete, steel and brick, on West 117th St. and Lorain Ave. About $125,000.

O., Cleveland—Office—Cleveland Arcade Co., 458 The Arcade, plans to add 1-story, 60 x 235 ft. concrete, steel and brick addition to present building on East 4th St. and Euclid Ave. About $60,000.

O., Cleveland—Office—Eleventh St. Co., c/o F. H. Gunn, Williamson Bldg., plans to remodel and build 7-story, rein.-con., steel and brick addition to Lenox Bldg., on East 9th St. and Euclid Ave. About $150,000.

O., Cleveland—Sales—See "Industrials."

O., Delaware—Sanitarium—C. L. Insco, archt., Brunson Bldg., Columbus, receives bids about June 1, building 3-story, 40 x 154 ft., brick and rein.-con., concrete foundation, near here, for Delaware Springs Sanitarium Co. About $85,000.

O., Cleveland — Store and Office — C. Shane, c/o Liberty Theater, 10315 Superior Ave., plans to build 5-story, concrete, steel and brick, on East 4th St. and Euclid Ave. About $150,000.

O., Cleveland—Store—W. Taylor & Son Co., Euclid Ave. and 6th St., plans to build 9-story, concrete, steel and brick addition. About $500,000.

O., Cleveland—Temple—Cleveland Masonic Club, East 6th St. and Superior Ave., plans to build 3-story, 220 x 700 ft., rein.-con., steel and brick, at 3515 Euclid Ave. About $500,000.

O., Cleveland—Theater—W. G. Montgomery, 1420 Alameda Ave., Lakewood, plans to build 3-story, rein.-con., steel and brick, on West 32nd St. and Bridge Ave., here. About $150,000.

O., Cleveland—Theater and Store—Normay Theater Co., West 50th St. and Storer Ave., having plans prepared by E. Huberty, archt., 8017 Whitehorn Ave., building 1-story, 81 x 137 ft., concrete, steel and brick, at 5310 Storer Ave. About $50,000.

O., Cleveland—Theater and Stores—N. I. Stone, Rockefeller Bldg., had plans prepared by A. G. Yost, archt., Rockefeller Bldg., for 4-story, 73 x 198 ft., concrete, steel and brick, at 10613 Euclid Ave. About $250,000.

O., Dayton — Salesroom — See "Industrials."

Buildings (Continued)

Mich., Detroit — Church — **Maranatha** Baptist congregation, Brush and Bethune Sts., having plans prepared by J. E. Mills & Son, archts., 1305 Kresge Bldg., building 1 story, rein.-con. and brick, rein.-con. and tile flooring, concrete foundation, on East Grand Blvd. near Beaubien St. About $70,000.

Mich., Detroit—Theater, Stores, Hall, Offices, etc.—Oakman Blvd. Theater Co., 9 Fort St., W., having plans prepared by C. H. Crane and E. G. Kiehler, archts., Dime Bank Bldg., building rein.-con., brick, steel and fireproof construction. About $350,000.

Mich., Grand Rapids—Theater—Regent Theater Co., Woodward Ave., Detroit, having plans prepared by C. H. Crane and E. G. Kiehler, archts., Dime Bank Bldg., Detroit, building 2 story, 100 x 152 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Monroe Ave., here. About $300,000.

Mich., Highland Park (Detroit P. O.)—School—City voted $325,000 to enlarge Willard School.

Mich., Lansing—Hotel—Hotel Michigan Co. having plans prepared by C. Allen, archt., Jackson, building 12 story, 94 x 140 ft., rein.-con., brick and fireproof construction, rein.-con. flooring, concrete foundation, on East Michigan Ave. About $630,000.

Ill., Belleville—High School—City election May 17, to vote on $200,000 bonds to build high school on Illinois and Lincoln Sts.

Ill., Belleville—Hotel and Theater—C. T. Mullen, 11 Pennsylvania Ave., plans to build 5-story brick and concrete, on Main and High Sts. About $125,000.

Wis., Bloomer—High School—Bd. Ed. plans to build 2 story 100 x 120 ft. school and 50 x 70 ft. auditorium, tile and brick, concrete foundation. About $70,000. J. D. Preuher, pres. C. Volkman, 106½ Grand Ave. E., Eau Claire, engr.

Wis., La Crosse—Theater, Stores and Offices—Burford-Rosenstein Co., having plans prepared for 4-story, 122 x 152 ft. on 4th St. between Main and State Sts. About $150,000. Parkinson & Dockendorff, Linker Bldg., archts.

Wis., Sheboygan — Church — Congregational Church, c/o E. Hammett, plans to build 2-story, 90 x 150 ft., rein.-con. and brick, brick foundation, on North 7th St. About $100,000. W. C. Weeks, 730 Ontario Ave., archt.

Wis., Sheboygan—School—Weeder Sta. School Bd., Weeder Sta., plans to build 1-story, 40 x 90 ft., brick, brick foundation. Cost between $40,000 and $50,000.

Ia., Sioux City—Hotel—War Eagle Corporation, 507 Trimble Blk., having plans prepared building 9 story. About $1,000,000. Noted Mar. 13.

Minn., Hastings—Dormitory—State Bd. Control, St. Paul, soon lets contract building 2 story, 50 x 120 ft. About $60,000. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, archt. Noted May 8.

Minn., Hibbing—Hotel—S. S. Rumsey, engr., Wolvin Bldg., Duluth, receives bids about June 15, building 5-story, rein.-con. and brick, rein-con. flooring, concrete foundation, in central addition, here, for Oliver Mining Co., Wolvin Bldg., Duluth. About $200,000.

Minn., Minneapolis—Hotel—Hotel Dyckman Co., 6th St. between Nicollet and Hennepin Aves., plans to build 2-story brick addition, at 29-31 South 6th St. About $100,000. Long, Lamoreaux & Long, 1028 Andrus Bldg., archts.

S. D., Humboldt—School—Bd. Educ. plans election to vote on $85,000 bonds to build school.

S. D., Sioux Falls—School—City voted $100,000 bonds to build new school. W. F. Fuller, clk.

N. D., Dickinson—Auditorium, etc.—City plans election to vote on $50,000 bonds to build auditorium and community house.

Wyo., Casper—High School—Bd. Educ. plans to build high school. About $100,000.

Mont., Bozeman—Hall—Montana State College, Bozeman, having plans prepared by F. F. Willson, archt., Owenhouse Bldg., for 2 story, 60 x 140 ft. engineering hall. About $125,000.

Mont., Deer Lodge—Temple—Masonic Lodge plans to build 2 story, 54 x 131 ft. on Main St. About $70,000. Whitehouse & Price, Hutton Bldg., Spokane, Wash., archts.

SEWER—NEWARK, N. J.

Bids were received by Passaic Valley Sewerage Commissioners, May 6th, for constructing Sect. No. 20, Rutherford-East Rutherford branch intercepting sewer, from (A) C. S. Drainage & Irrigation Co., 17 Battery Pl., New York City; (B) Bruno & Perilli, 18 Tremont St., Boston; (C) North Jersey Contg. Co., Dover; (D) Culp Co., Inc., 356 East 23rd St., Paterson, $127,133; (E) Cenedella & Co., 136 Bloomfield Ave., Passaic, $132,192; (F) J. F. Shanley Co., 31 Clinton St., $162,020; (G) O'Gara Constr. Co., 242 Market St., $169,963; (H) Fusco Contg. Co., Newark, $231,699; (I) C. Ippolito, 252 Main St., Orange, $287,709. The unit bids of the lowest 3 bidders were as follows:

	A	B	C
1,538 lin.ft. 87-in. brick pipe	$20.48	.....	.....
1,538 lin.ft. 84-in. segment block pipe	.....	.....	$23.17
1,538 lin.ft. 84-in. concrete pipe	.....	$22.30	.....
362 lin.ft. 84-in. brick pipe	20.15	.....	.....
362 lin.ft. 78-in. segment block pipe	.....	.....	20.32
362 lin.ft. 78-in. concrete pipe	.....	21.91	.....
826 lin.ft. 78-in. brick pipe	17.40	.....	.....
826 lin.ft. 72-in. segment block pipe	.....	13.99	14.02
826 lin.ft. 72-in. concrete pipe	.....	.....	.....
714 lin.ft. 72-in. brick pipe	11.72	.....	.....
714 lin.ft. 66-in. segment block pipe	.....	13.95	12.78
714 linft. 66-in. concrete pipe	.....	.....	.....
410 lin.ft. 66-in. brick pipe	11.24	.....	.....
410 lin.ft. 60-in. segment block pipe	.....	11.89	11.80
410 lin.ft. 60-in. concrete pipe	.....	.....	.....
325 lin.ft. 60-in. brick pipe	10.07	.....	.....
325 lin.ft. 54-in. segment block pipe	.....	9.35	9.52
325 lin.ft. 54-in. concrete pipe	.....	.....	.....
282 lin.ft. 54-in. brick pipe	9.50	.....	.....
282 lin.ft. 48-in. segment block pipe	.....	9.21	8.90
282 lin.ft. 48-in. concrete pipe	.....	.....	.....
222 linft. 48-in. brick pipe	8.90	.....	.....
222 lin.ft. 45-in. segment block pipe	.....	7.62	7.27
222 lin.ft. 45-in. concrete pipe	.....	.....	.....
155 lin.ft. 45-in. brick pipe	8.54	.....	.....
155 lin.ft. 42-in. segment block pipe	.....	.....	7.24
155 lin.ft. 42-in. concrete pipe	.....	6.59	.....
557 lin.ft. 39-in. brick pipe	7.49	.....	.....
557 lin.ft. 36-in. segment block pipe	.....	.....	5.73
557 lin.ft. 36-in. concrete pipe	.....	5.95	.....
80 ft. 24-in. vitrified pipe	2.25	3.50	3.86
50 ft. 18-in. vitrified pipe	1.65	2.50	2.05
315 ft. 15-in. vitrified pipe	1.50	1.60	1.28
750 ft. 12-in. vitrified pipe	1.50	1.40	1.10
25 manholes	50.00	60.00	80.50
80 storm water inlets	50.00	51.50	55.00
1 junction chamber "A"	826.04	1,000.00	990.00
1 junction chamber "B"	546.33	950.00	800.00
1 junction chamber "C"	246.78	325.00	255.00
1 junction chamber "D"	328.12	550.00	465.00
1,500 cu.yd. rock excavation	2.00	3.00	4.00
50 cu.yd. extra concrete	10.00	10.00	12.50
100 cu.yd. extra brick	17.00	18.50	20.00
500 lin.ft. curb and gutter	.60	1.25	1.25
800 sq.ft. cement sidewalk	.20	.25	.25
100 cu.yd. earth excavation	1.00	1.50	1.50
2000 ft.b.m. lumber	75.00	50.00	60.00
Extended totals	$94,532	$98,575	$100,448

DRAIN—COATESVILLE, PA.

Bids were received by city (lowest 3) for constructing Gibbons Run Drain, from (A) Dunleavy Bros., Coatesville, (awarded contract); (B) Ryan Constr. Co., Baltimore, Md.; (C) E. C. Fish Co., Real Estate Trust Bldg., Phila. The unit bids were as follows:

	A	B	C
768 lin.ft. earth excavation and refilling, in trench, for 24-in. concrete sewer	$13.50	$12.00	$14.00
3,047 lin.ft. earth excavation and refilling, in trench, for 27-in. concrete sewer	17.00	17.00	19.00
1,110 lin.ft. earth excavation and refilling, in trench, for 36-in. concrete sewer	18.00	20.00	24.00
1,500 cu.yd. concrete masonry, in trench, Portland cement mortar	14.50	13.50	12.00
100 cu.yd. brick masonry, in manholes, Portland cement mortar and appurtenant work	20.00	30.00	30.00
100 cu.yd. rock excavation in trench	6.00	3.00	4.00
Excavation and refilling for two weir chambers, etc., and all appurtenant work (lump sum)	6,000.00	6,000.00	2,080.00
Furnishing and erecting tide gates in local sewer (lump sum)	600.00	500.00	500.00
Erie R.R. Crossing, including furnishing timbering, piling, etc., and all appurtenant work (lump sum)	5,500.00	8,000.00	4,000.00
21,000 lb. furnishing and placing steel for reinforcement, etc.	.065	.08	.06
Extended totals	$119,962	$122,945	$124,525

Mont., Missoula—Library—University of Montana, University Ave., having plans prepared by Cohagen & Marsh, archts., Billings, building 2 story, on campus. About $250,000.

Mo., St. Louis—Bank—Mercantile Trust Co., 8th and Locust Sts., plans to build 2-story, 100 x 200 ft. addition on 8th and Locust Sts. Cost to exceed $50,000.

Mo., St. Louis—Mercantile—I. Mathes Shoe Co., 1409 Washington St., plans to build at 1333-35 Washington St. Cost to exceed $50,000.

Mo., St. Louis—Mercantile—Washington University, Skinker and Lindell Sts., having plans prepared by P. J. Bradshaw, archt., International Life Bldg., for 3-story, 150 x 250 ft., on 19th and Locust Sts. Cost to exceed $50,000.

Mo., St. Louis—Mercantile—See "Industrials Works."

Tex., San Antonio—Store—Natl. Grocery Co., Monterey and Salado Sts., plans to build 1-story, 150 x 210 ft. brick, on Medina and Lakeview Sts. About $50,000.

Tex., Yoakum—Hospital—City soon receives bids building 3-story, 42 x 75 ft., rein.-con. and brick. About $60,000. L. Harrington Co., Frost Bldg., San Antonio, archt.

Idaho, Boise—Y. M. C. A. having plans prepared by Tourtellotte & Hummel, archts., McKay Bldg., Portland, Ore., for 3 story building. About $160,000. Noted Mar. 27.

Idaho, Nampa—Bank—Farmers & Merchants Natl. Bank, having plans prepared by Tourtellotte & Hummel, archts., McKay Bldg., Portland, Ore., building 1 story, 50 x 100 ft. stone. About $60,000.

Ariz., Phoenix—Lodge and Business—B. P. O. E. Lodge having plans prepared by Lescher & Kibbey, archts., Bank of Arizona Bldg., building 6 story, 100 x 137 ft., on Adams and 2nd Aves. About $200,000.

Wash., Vancouver—Office and Store—Red Ash Coal Co., 901 Washington St., plans to build 2 story, 100 x 100 ft., rein.-con., rein.-con. flooring, concrete foundation, on 7th and B Sts. About $60,000.

Buildings (Continued)

Wash., Walla Walla—Store—A. M. Jensen Co., 2nd and Alder Sts., plans to build 1 story, 107 x 170 ft., concrete, on East Main St. About $75,000. Beezer Bros., Seaboard Bldg., Seattle, archts.

Ore., Astoria—Office—See "Industrial Works."

Ore., Portland—Schools—City election June 21, to vote on $2,500,000 bonds to build Northeast High School, James John High School and elementary schools in various districts. G. A. Grout, supt. city schools. Noted Mar. 6.

Cal., Long Beach—Store—Mercantile Co., Pine Ave., plans to build 4 story, 75 x 150 ft. concrete, brick and steel addition on Pine Ave and Bway., also 2 story, 75 x 150 ft. addition to existing building. About $150,000.

Cal., Long Beach—Y. M. C. A. plans to build 6 story, 150 x 150 ft. building on 6th St. and American Ave. About $280,000 available for work. C. F. Van de Water, member of com. Noted Jan. 30.

Cal., Redondo Beach—Bank, Lodge and Office—First Natl. Bank of Redondo Beach and Redondo Beach Savings Bank having plans prepared by L. B. Pemberton, archt., 630 Esplanade St., for 3-story, 96 x 100 ft., brick, concrete foundation. About $50,000.

Cal., Vallejo—Church—First Presbyterian congregation having plans prepared by G. Rushforth, archt., 354 Pine St., San Francisco. About $50,000.

Que., Quebec—Hotel—Canadian Pacific Ry., Windsor St. Sta., Montreal, plans to build 10-story, on St. Louis St., here. About $1,500,000. J. M. R. Fairbairn, asst. ch engr.

Que., Verdun—Memorial Hall—City plans to build memorial hall on Wellington St. About $55,000. J. A. Leclair, mayor.

Ont., London—Store—T. F. Kingsmill, 120 Dundas St., purchased site and plans to build 3 story, brick. About $100,000.

Ont., Niagara Falls—Hospital—City Council plans to build 3-story, brick. Total cost $100,000. Bonds for $50,000 have been voted for project and balance to be raised by subscription.

Ont., Toronto—Schools—Bd. Educ., 150 College St., having plans prepared by D. F. Franklin, archt., Lansdowne Ave., building John Ross Robertson Memorial School, 2-story brick, on Glenholme Ave., and 2-story, stucco, on Glengrove Ave. About $130,000 and $100,000 respectively. Noted Jan. 30.

BIDS DESIRED

R. I., Howard—Administration—Until May 27, by State Bd. Charitable and Penal Institutions, Providence, converting 2-story fireproof service building, here, into administration building. About $50,000. G. F. Hall, 806 Union Trust Bldg., Providence, archt. Noted Mar. 14, 1918.

Conn., Waterbury—School—Until May 19, by Bd. Educ., building 2 story fireproof addition to Croft St. School, rein.-con. flooring, concrete foundation. About $125,000. L. A. Walsh, 51 Leavenworth St., archt. Noted May 1.

N. Y., Brooklyn—School—Until May 27, by C. B. J. Snyder, supt. school bldgs., Municipal Bldg., New York City, building P. S 97, on easterly side Stillwell Ave., 80 ft. north of Ave. S.

N. Y., Central Islip—Hospital—Until June 4, by State Hospital Comn., Capitol, Albany, building 3 story, 39 x 296 ft. addition to building for acute patients, with wings, 35 x 39 ft., brick and rein.-con., concrete foundation, at Central Islip State Hospital, here. About $150,000. Noted May 1.

N. Y., New York—Schools—Until May 19, by C. B. J. Snyder, supt. school bldgs., Municipal Bldg., altering, repairing, etc., P. S. 5, 57, 62, 78, 93, 106, 109, 158, 172, 179 and De Witt Clinton High School.

Pa., Harrisburg—Sanitorium, Dormitories, etc.—Until May 19, by E. Martin, comr. dept. health, for work at State Sanatorium near Mont Alto to consist of 6 employees' houses, dormitory, boiler house for hospital group, alterations and additions to camp boiler house, laundry and community buildings, heating installations, alterations and addition to heating plant, electric transmission and distribution lines and coal and ash handling apparatus in camp boiler house; at sanatorium near Cresson, 4 employees' houses, community building, solarium additions, fire towers in east ward buildings, and heating systems for same; at sanatorium near Hamburg, community building, dairy barn, wind brake additions to ward buildings, cement pavements, also heating system for community building.

Ala., Bessemer—Court House and Jail—Until June 10, by Bd. Revenues Jefferson Co., building 3 story, brick fireproof court house and jail. About $120,000. J. W. Gwin, pres. H. B. Wheelock, Steiner Bldg., Birmingham, archt.

O., Cleveland—Office—Osborne Eng. Co., engrs., 2848 Prospect Ave., receiving bids building 3-story, 37 x 60 ft., concrete, steel and brick, on East 55th St. and Krakow Ave., for Fishel & Marks Co., 3013 East 55th St. About $50,000.

Ill., Chicago—Hospital—Until June 1, by W. H. Pruyn, Jr., archts., 122 South Michigan Ave., building 6-story, 150 x 200 ft. rein.-con. and brick addition, rein.-con. flooring, concrete foundation, on Winchester and Wilson Ave., for Ravenswood Hospital Assn., 1917 Wilson Ave. About $400,000. Noted Apr. 17.

Wis., Clintonville—Bank—Until June 1, by Foeller & Schober, archts., 123 North Washington St., Green Bay, building 2-story, 40 x 160 ft., rein.-con. and brick, brick foundation, on Main and Elm Sts., for 1st Natl. Bank. C. Gibson, pres. Cost between $55,000 and $60,000.

Wis., Kenosha—Court House—Until Aug. 1, by Comrs. Kenosha Co., building 4-story, 114 x 168 ft., rein.-con. and steel, rein.-con. flooring, concrete foundation, on Park St. About $400,000. White, White & White, Pub. Serv. Bldg., archts.

Wis., Sheboygan—Exchange and Office—Until July 15, by W. C. Weeks, archt., 720 Ontario Ave., building 4-story, 70 x 80 ft., rein.-con. and brick, brick foundation, on 7th St. and Center Ave., for Citizens Telephone Co., North 8th St. About $70,000.

Minn., Cambridge—High School—Until May 23, by F. W. Nesbitt, clk., bd. educ., building 2 story, 54 x 100 ft. About $130,000. Foss & Foss, Phoenix Bldg., St. Cloud, archts.

Minn, Faribault—Dormitory—Until June 1, by State Bd. Control, St. Paul, building 2-story, 45 x 140 ft., rein.-con. and brick, at School for Feeble Minded, here. About $75,000. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, archt.

Minn., St. Peter—Dormitory—Until May 20, by C. H. Johnston, engr., 715 Capital Bank Bldg., St. Paul, building 2 story, 45 x 140 ft., rein-con. and brick, at State Hospital for State Bd. Control, St. Paul. About $50,000.

Minn., Willmar—Cottages—Until June 1, by State Bd. Control, St. Paul, building 2-story, 45 x 120 ft., rein.-con. and brick at Asylum for Insane, here. About $110,000. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, archt.

Minn., Willmar—Service Hall, etc.—Until June 1, by State Bd. Control, St. Paul, building 2-story, 45 x 120 ft., rein.-con. and brick service hall and building at State Asylum, here. About $85,000. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, archt.

N. D., Pembina—School—Until May 27, by Bd. Educ. building grade and high school. W. D. Gillespie, 64½ Bway., Fargo, archt.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Brookline** (Boston P. O.)—Bank—Brookline Trust Co., Beacon St., let contract building 2-story, 60 x 120 ft. brick and concrete, rein.-con. flooring, concrete foundation, to E. A. Abbott Co., 185 Devonshire St., Boston. About $150,000. Noted Apr. 10.

★**Mass., Brookline** (Boston P. O.)—Sales, etc.,—Boston Buick Co., Boston, let contract building 2 story, 85 x 300 ft. brick and concrete fireproof sales and service station, concrete foundation, on Babcock St. here, to Evatt Constr. Co., 161 Devonshire St., Boston. About $100,000.

★**Mass., Foxboro**—Hospital—State Comn. Mental Diseases, State House, Boston, let contract building 3 story, 50 x 160 ft. brick and rein.-con. hospital annex, brick and concrete foundation, here, to J. A. Munroe, North Attleboro. About $87,000.

★**Conn., Bridgeport**—Business—F. Jacoby, 1083 Broad St., let contract building 3 story, 50 x 150 ft. brick and steel, rein.-con. flooring, concrete foundation, on Main St. opposite Lumber St., to T. J. Pardy Constr. Co., 15 Fairfield Ave. About $65,000. Noted Apr. 10.

★**Conn., Hartford**—Business—E. A. Slattery, 280 Oxford St., let contract building 2-story, 48 x 116 ft., brick and terra cotta, rein.-con. flooring (1st floor only), concrete foundation, on Pratt St., to T. R. Fox & Son, 251 Sheldon St. About $59,000

★**Conn., Hartford**—Market—City let contract building 1 story, 63 x 122 ft. brick and concrete, concrete flooring and foundation, on Connecticut Blvd., to Ahern & Welch Co., 721 Main St., $91,999. Noted May 1.

★**Conn., New Haven**—Parish—Chapel St. Ecclesiastical Society, Whitney St., let contract building 2-story, brick and steel, brick foundation, to Larkin, Carey Co., New Haven. About $115,000. Noted Apr. 10.

★**Conn., Stratford** (Bridgeport P. O.)—Theater—O. Christensen, 920 Main St., Bridgeport, will build 1 story, 75 x 123 ft. brick and timber, concrete flooring, concrete foundation, on Main St., here. About $50,000. Work will be done by day labor. Noted Mar. 27.

N. Y., Albany—School—Bd. Contr. and Supply received bids Apr. 21, building P. S. 19, 3 story, 41 x 160 ft. brick and rein.-con., concrete foundation, on New Scotland Ave., from Bame & Cardell, 176 Warren St., $115,500; H. Goodman, Albany, $121,552; A. E. Stephens Co., Binghamton, $122,900. Noted Mar. 27.

★**N. Y., Brooklyn**—Mausoleum—M. Beck, 1564 Bway., New York City, let contract building 1 story, 20 x 40 ft. granite and marble, at Salem Fields Cemetery, to Adler Monumental Wks., 148 East 59th St., New York City. About $50,000.

★**N. Y., Brooklyn**—Schools—Bd. Educ., 500 Park Ave., New York City, let contract building P. S. 100, 4-story, 100 x 144 ft. brick and steel, brick foundation, on West 1st St. and P. S. 80, on West 18th St., to T. A. Clarke Co., 122 Livingston St. About $523,000. Noted Apr. 10.

★**N. Y., Brooklyn**—Synagogue—Congregation Sons of Israel, 8625 Bay 21st St., let contract building, 1-story, 100 x 100 ft. brick and stone, brick foundation, on Benson Ave. and Bay 21st St., to Rangeley Constr. Co., 405 Lexington Ave., New York City. About $70,000.

★**N. Y., Brooklyn**—Theater—J. Spielberg, 308 Sheffield Ave., let contract building 2-story, 75 x 100 ft. brick and steel, brick foundation, on Stone and Pitkin Aves., to Shoner Bldg. Co., 149 Christopher Ave. About $100,000. Noted Apr. 17.

N. Y., Long Island City—High School—C. B. J. Snyder, supt. school bldgs., Municipal Bldg., New York City, received bids May 6, building 3 story, 100 x 100 ft. brick and steel addition to Bryant High School, rein.-con. flooring, concrete foundation, on Wilbur Ave., from Emerson Bldg. Co., 103 Park Ave., New York City, $500,500; J. MacArthur, 120 Bway., New York City, $524,493; T. A. Clarke Co., 122 Livingston St., Brooklyn, $533,300. Noted May 1.

★**N. Y., Long Island City**—School—Bd. Educ. 500 Park Ave., New York City, let contract building P. S. No. 3, 3-story, 105 x 108 ft. brick and steel, brick foundation, on Colonial Ave. between Livingston and Meteor Sts., here, to Nugent Constr. Co., 505 5th Ave., New York City. About $155,000. Noted May 1.

★**N. Y., S. I., New Dorp**—Home—St. Johns Guild, 103 Park Ave., New York City, will build 3 story hollow tile and stucco nurses' home, brick foundation, here. About $150,000. Work will be done by day labor.

★**N. Y., New York**—Bank and Office—S. W. Barasch, 77 Ridge St., will build 5-story, 22 x 75 ft. brick and steel, brick foundation, at 150 Delancey St. About $50,000. Work will be done by day labor.

★**N. Y., New York**—Office—Lawyers Realty Co., 160 Bway., let contract building 5-story, 25 x 100 ft., brick and steel, concrete foundation, at 45 Maiden Lane, to W. Higginson, 1123 Bway. Noted May 1.

★**N. Y., New York**—Office—Sixty Wall St. Corp. let contract building 5-story brick and steel addition, to C. T. Wills, 286 5th Ave. About $100,000. Cost plus percentage basis. Noted May 1.

★**N. Y., Rome**—School—Bd. Educ. let contract building 2 story, 103 x 132 ft. brick, on Linden St., to E. H. Owens, 114 Front St. About $143,702. Noted May 8.

★**Pa., Boyertown**—High School—School Bd. let contract building 2½-story, brick and timber, rein.-con. flooring, brick foundation, on East 4th St., between Monroe and Madison Sts., to W. J. Elliott, Coatesville, $74,684.

Md., Homewood (Baltimore P. O.)—Laboratory—Trustees John Hopkins University received bids building 1-story, 50 x 150 ft., rein.-con. and brick, concrete and brick foundation, on Charles St. Ave., from Consolidated Eng. Co., 243 Calvert Bldg.; B. F. Bennett Bldg. Co., 123 South Howard St.; Frainie Bros. & Haigley, 18 Clay St., all contractors of Baltimore. About $55,000. Noted Jan. 30.

Buildings (Continued)

W. Va., Montgomery—High School—Bd. Educ. received bids building 3 story, brick and rein.-con., from Charleston Concrete Steel Co., Charleston, $92,000; P. J. Phipps, Roanoke, Va., $100,000; Hains Co., Wash., D. C., $105,000. Noted May 1.

★**Ga., Atlanta**—Club—Atlanta Nurses' Club let contract building brick on Luckie St., to Turman & Calhoun, Empire Bldg. About $100,000.

★**Tenn., Memphis**—Hospital—Baptist Memorial Hospital, Madison Ave., let contract building 8 story, 92 x 101 ft., brick and concrete addition, to J. Alexander Constr. Co., 388 North Front St. About $250,000. Noted Apr. 10.

★**O., Akron**—Welfare—Goodyear Tire & Rubber Co., East Market St., let contract building 6-story, 158 x 385 ft., rein-con., steel and brick, concrete foundation, on East Market St., to Hunkin Conkey Co., 601 Century Bldg., Cleveland. About $100,000. Noted May 1.

★**O., Cleveland**—Office—East 9th St. Euclid Co., 764 Euclid Ave., let contract remodeling 8-story, 79 x 163 ft., concrete, steel and brick, on East 9th St. and Euclid Ave., to J. E. Christian Co., 1311 St. Clair Ave. About $100,000. Noted Apr. 24.

★**O., Columbus**—Store and Office—D. W. McGrath, New 1st Natl. Bank Bldg., will build 2-story, 45 x 187 ft., steel and brick, rein.-con. flooring, on East Broad St. About $60,000. Work will be done by day labor.

★**Mich., Detroit**—Store and Auditorium—Academy of Music, c/o C. H. Crane and E. G. Kiehler, archts., Dime Bank Bldg., let contract building 2 and 3 story, 100 x 171 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Woodward Ave. and Paissus St., to Walbridge, Aldinger Co., Penobscot Bldg. About $350,000.

★**Ill., Alton**—Bank—Citizens' Natl. Bank let contract building 1-story, 35 x 50 ft. brick and terra cotta, to Hoggson Bros., 38 South Dearborn St., Chicago. About $125,000.

★**Neb., Omaha**—Hospital—P. Findley, 670 Brandeis Theater Bldg., let contract building 3 story, 33 x 104 ft., rein.-con., rein.-con. flooring, to A. C. Bush, 543 Ry. Exch. About $60,000; cost plus 10% basis.

★**S. D., Fairfax**—School—Bd. Educ. let contract building 2 story, 60 x 140 ft. brick and Bedford cut stone, to Western Constr. Co., Commerce Bldg., St. Paul, Minn. About $70,000.

★**S. D., Hurley**—School—Bd. Educ. let contract building 2 story, 60 x 134 ft. brick, steel and concrete, to Floyd-Niebuhr Co., 1726 Newton Ave. N., Minneapolis, Minn. About $80,300. Noted Apr. 10.

★**Mo., St. Louis**—Fire House—Bd. Pub. Wks. let contract building two 2 story, 36 x 76 ft. and 28 x 63 ft., brick and timber firehouses, No. 3, to H. O. Hirsch Constr. Co., Wainwright Bldg., $22,438; No. 32, to Kellermann Constr. Co., Internatl. Life Bldg., $21,019. Noted Apr. 10.

★**Cal., San Francisco**—Office—Winship Estate, c/o G. T. de Calmesmil, archt., 907 Rialto Bldg., will build 3 story, rein.-con. addition to Union Sq. Bldg., on Post St. near Powell St. About $90,000. Work will be done by day labor.

Ca'., San Francisco—School—Bd. Pub. Wks. received bids building 2 story, brick and timber, concrete foundation, on 17th and Cabrillo Aves., from Anderson & Ringrose, 630 Sutter St., $87,600; H. Williams, Hearst Bldg., $87,742; W. Henderson, Monadnock Bldg., $89,844.

Federal Government Work

PROPOSED WORK

N. Y., Brooklyn—Building, etc.—Bureau Yards and Docks, Navy Dept., Wash., D. C., plans to construct building "F" and alter stairway of Naval Hospital; Spec. 3892. About $828,000.

N. Y., Brooklyn—Heating Plant and Distributing System—Bureau Yards and Docks, Navy Dept., Wash., D. C., plans to extend heating plant and distributing system at Naval Hospital, here; Spec. 3891. About $830,000.

N. Y., Montauk—Power House—Bureau Yards and Docks, Navy Dept., Wash., D. C., plans to build, here; Spec. 3889. About $4000.

N. Y., New York—Barracks—Bureau Yards and Docks, Navy Dept., Wash., D. C., plans to build receiving ship barracks, here; Spec. 3894. Bids will be received at local yard.

Va., Hampton Roads—Crane and Bridges—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install 2 electric traveling cranes in 3 story storehouse and build 2 transfer bridges, here; Spec. 3895. About $25,000.

Va., Hampton Roads—Electric Freight Elevator—Bureau Yards and Docks, Navy Dept., Wash., D. C., plans to install, here; Spec. 3890. About $25,000.

Fla., Key West—Power House and Fire Protection System—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to build and install, here; Spec. 3896. About $20,000.

Mich., Midland—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., plans to build here. About $70,000.

Ia., Muscatine—Earth Work—Mississippi River Comn., International Life Bldg., St. Louis, soon receives bids for 200,000 cu.yd. earth work, here.

Idaho, Orafino—Road Work—Bureau Pub. Rds., Missoula, Mont., plans to grade 40 mi. Pierce City-Bungalow National Forest Rd., 12 ft. wide, Clearwater Co. About $230,000. C. H. Purcell, dist. engr.

Ore., Empire—Oil Station and Wharf—U. S. Engr. Office, Portland, plans to build oil station and 200 ft. wharf, here. About $50,000. J. Polheumus, engr.

Cal., San Diego—Building, Hangar, etc.—Bureau Yards and Docks, Navy Dept., Wash., D. C., plans to construct main building, kite balloon hangar and concrete floors, here; Spec. 3893. Bids will be received at local yard.

BIDS DESIRED

Mass., Chatham—Roads—Until June 4, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building, here; Spec. 3884. About $10,000. Noted May 8.

R. I., Newport—Boathouse—Until June 4, by Bureau Yards and Docks, Navy Dept., Wash., D. C., building here; Spec. 3786. About $83,000. Former bids rejected. Noted Apr. 3.

N. J., Cape May—Storage Tanks—Until June 4, by Bureau Yards and Docks, Navy Dept., Wash., D. C., installing Diesel and gasoline oil storage tanks, here; Spec. 3721. About $91,000; $10 deposit required for plans and spec.

Pa., Ft. Mifflin—Fence—Until June 4, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building, here; Spec. 3848. About $16,000. Noted Apr. 3.

Pa., Phila.—Heating and Humidifying Apparatus—Until June 4, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing at Aircraft Storage Plant, here; Spec. 3854. About $75,000. Noted Apr. 10.

D. C., Wash.—Elevator and Shaft—Until May 19, by Bureau Yards and Docks, Navy Dept., installing elevator and shaft for heavy machine shop; Spec. 3851. About $14,000; $10 deposit required for plans and spec.

Va., Hampton Roads—Air and Water Systems—Until May 26, by Bureau Yards and Docks, Navy Dept., Wash., D. C., installing high pressure air and water systems at submarine base, here; Spec. 3883. About $43,000; $10 deposit required for plans and spec. Noted May 8.

Va., Hampton Roads—Revolving Platform—Until June 4, by Bureau Yards and Docks, Navy Dept., Wash., D. C., building at Naval Air Sta., here; Spec. 3880. About $7500; $10 deposit required for plans and spec. Noted May 8.

Va., Hampton Roads—Steel Water Tank and Tower—Until May 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building 150,000 gal. steel tank and tower at Navy Yards, here; Spec. 3868. About $25,000. Noted Apr. 24.

W. Va., Charleston—Roof Decks—Until May 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., building gypsum roof decks at Naval Ordnance Plant, here; Spec. 3839. About $169,000. Noted Apr. 3.

S. C., Charleston—Storehouse—Until May 26 (change of date), by Bureau Yards and Docks, Navy Dept., Wash., D. C., building fixed ammunition storehouse, here; Spec. 3842. About $52,000; $10 deposit required for plans and spec. Noted Apr. 24.

Tex., Denton—Post Office—Until June 5, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., building post office, here; advertised in this issue.

Tex., Honey Grove—Post Office—Until May 20, by J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., building post office, here. Former bids rejected. Noted Apr. 10.

Alaska, Ketchikan—Elevator—Until May 28, by Supt. Light Houses, furnishing electric freight elevator for 2-story 40 ft. 5000 lb. capacity.

P. I., Cavite—Power Plant Equipment—Until May 26, by Bureau Yards and Docks, Navy Dept., Wash., D. C., installing here; Spec. 3871. About $90,000; $10 deposit required for plans and spec. Noted Apr. 24.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. H., Portsmouth**—Building Addition—Bureau Yards and Docks, Navy Dept., Wash., D. C., let contract building addition to Bldg. 42 for spar shop, to Hughes, Foulkrod Co., 1405 Commonwealth Bldg., Phila., $60,986 (45 days). Noted Apr. 17.

★**Mass., Boston**—Dredging—U. S. Engr. Office, Boston, let contract dredging channel and turning basin near Hog Island, Boston Harbor, involving 100,000 cu.yd. floating dredgework, to Bay State Dredging & Development Co., 62 Condor St., $.44 per cu.yd. Noted Apr. 24.

R. I., Newport—Torpedo Storage Building—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids May 12, building, here, (1) work complete, from

Falliace Bros., 7 East 42nd St., New York City, (1) $167,273, (150 days); (2) concrete piles add $105, deduct $15, timber piles add $30, deduct $10; (3) concrete piles add $3.50, no deduction, timber piles add $1, no deduction; (4) $21

F. G. Fearon Co., 280 Madison Ave., New York City, (1) $184,700; (2) concrete piles add $100, deduct $50, timber piles add $30, deduct $10; (3) concrete piles add $3, deduct $1, timber piles add $1, deduct $.25; (4) $40.

McLean Contg. Co., 1415 Fidelity Bldg., Baltimore, Md., (1) $195,300 (175 days); (2) concrete piles add $105, deduct $45, timber piles, add $35, deduct $15; (3) add $3.50, deduct $.50, timber piles, add $1.05, deduct $.20; (4) $16. Noted Apr. 24.

R. I., Newport—Quarters—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids building double quarters for officers at Naval Training Sta., here, (1) work complete, from

R. A. Smith, 28 Bellevue Ave., (1) $19,152.90 (90 days); (2) $18,352.90.

H. S. Roberts & Co., 123 Bway., New York City, (1) $21,000 (90 days); (2) $20,725.

Hydes & Baxter, 711 13th St., N. W., Wash., D. C., (1) $26,150 (90 days); (2) deduct $450.

★**N. Y., New York**—Electric Elevator—Bureau Yards and Docks, Navy Dept., Wash., D. C., let contract, installing elevator in light machine and electric shop, here, to Seaberg Elevator Co., 407 Douglas St., Brooklyn, $28,000 (175 days). Noted Feb. 6.

★**N. J., Cape May**—Cold Storage Building—Bureau Yards and Docks, Navy Dept., Wash., D. C., let contract building cold storage building at Section Base, here, to Post & McCord, 101 Park Ave., New York City, $36,000 (180 days). Noted May 1.

Del., Wilmington—Dredging—U. S. Engr. Office, Old Federal Bldg., received bids May 5, dredging waterway between Rehoboth Bay and Delaware Bay (Lewis Canal), from Delaware Dredging Co., Colonial Trust Bldg., Phila., $.36½ per cu.yd.; Dorsey & Miller Co., 420 Equitable Bldg., Baltimore, Md., $.45 per cu.yd. Noted Apr. 10.

★**Del., Wilmington**—Paving—U. S. Shipping Bd., Emergency Fleet Corp., Phila., Pa., and Street and Sewer Dept., Wilmington, let contract paving Union Park Gardens, to Union Paving Co., 30th and Locust St., Phila., Pa., $22,666.

★**Md., Dundalk**—Store, Post Office and Telephone Exchange—U. S. Emergency Fleet Corp., Phila., Pa., let contract building, here, to Gladfelter & Chambers, 36th St. and Roland Ave., Baltimore, $72,580.

★**Va., Hampton Roads**—Buildings—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing additional buildings, at Aircraft Sta., here, to Post & McCord, 101 Park Ave., New York City, $519,500 (230 days). Noted Apr. 24.

★**Va., Langley Field**—Tank and Tower—Constr. Div., War Dept., let contract building 250,000 gal. steel tank and tower, here, to Memphis Steel Constr. Co., Magee Bldg., Pittsburgh, Pa., $18,487.

Federal Government Work (Continued)

★Va., **Norfolk**—Cranes—Bureau Yards and Docks, Navy Dept., Wash., D. C., let contract installing one 6 ton electric traveling crane and two 1 ton pillar cranes, in galvanizing plant at Navy Yard, here, to Bedford Fdry. & Machine Co., 1107 5th Ave., Bedford, Ind., $13,665 (120 days). Noted Apr. 24.

★W. Va., **South Charleston**—Fence—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building fence at U. S. Naval Ordnance Plant, here, to Cyclone Fence Co., 2787 Woolworth Bldg., New York City, $20,980 (60 days). Noted May 1.

★W. Va., **Wheeling**—Pass, Weir, etc.—U. S. Engr. Office, Wheeling, let contract building pass, weir, beartrap, etc., for Dam No. 23, to Dravo Contg. Co., Diamond Bank Bldg., Pittsburgh, Pa., $609,000 and Dam No. 25, Natl. Contg. Co., Citizens Bank Bldg., Evansville, Ind., $620,000. Noted Apr. 17.

S. C., **Paris Island**—Buildings—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids May 12, building 2 barracks, crew house, 6 outbuildings, 2 storehouses, double officers' quarters, wash house, cell house, bakery and work shop at Marine Barracks and Prison Camp, here, (1) work complete, from

Newport Contr. & Eng. Co., Sibley Bldg., Newport News, Va., (1) $70,130, (100 days); (2) $10,358; (3) $10,039; (4) $6981; (5) $8047; (6) $31,251; lump sum bid $134,446 for all buildings.

H. S. Roberts & Co., 1123 Bway., New York City, (1) $70,814, (100 days); (2) $14,862; (3) $13,406; (4) $8888; (5) $10,-882; (6) 31,483.

W. T. Hadlow, 15 Baldwin Bldg., Jacksonville, Fla., (1) $71,502, (100 days); (2) $10,696; (3) $12,388; (4) $7350; (5) $8690; (6) $35,336. Noted May 1.

Fla., **Pensacola**—Conduit System—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids May 12, building underground conduit system and transformer houses at Naval Air Sta., here, (1) work complete, from

G. E. Eng. Co., Laight and Varick Sts., New York City, (1) $93,468, (180 days); (2) $.27; (3) $175; (5) $2.10; (6) $862; (7) $343.

H. E. Crook, 28 Light St., Baltimore, Md., (1) $97,500, (180 days); (3) $175; (6) $1100; (7) $375.

H. E. Box Constr. Co., 81 East 125th St., New York City, (1) $109,983, (150 days); (2) $.14; (3) $200; (5) $1.20; (6) $600; (7) $250. Noted Apr. 24.

★Fla., **Pensacola**—Electrical Equipment—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing in Central Power Plant, at Navy Yard, here, to Carroll Electric Co., 714 12th St., Wash., D. C., $21,915 (150 days). Noted Apr. 10.

★Ill., **Carthage** — Earthwork — Secy. Mississippi River Comn., 1311 International Life Bldg., St. Louis, Mo., let contract for 110,000 cu.yd. earthwork, to H. Merritt, 827 Metropolitan Bldg., Minneapolis, Minn., $.30 per cu.yd.

★Ill., **Quincy**—Earthwork—Secy. Mississippi River Comn., 1311 International Life Bldg., St. Louis, Mo., let contract for 290,-000 cu.yd. earthwork, to H. Merritt, 827 Metropolitan Bldg., Minneapolis, Minn., $.30 per cu.yd.

Tex., **Mt. Pleasant**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., received bids May 8, building post office, here, from Cooper & Lund, Inc., Newark, N. J., $46,969; A. Blair, 11 South Lawrence St., Montgomery, Ala., $49,300; Henry & Hatfield Constr. Co., 120 South Meridan St., Indianapolis, Ind., $50,132. Noted Apr. 10.

★Okla., **Woodward**—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., D. C., let contract building, here, to Hatfield Constr. Co., 102 South Meridan St., Indianapolis, Ind., $84,398. Noted May 1.

Idaho, **Coeur d'Alene**—Roadwork—Bureau Pub. Rds., Missoula, Mont., received bids May 7, grading 3 mi. Sect. 2, Fourth of July Canyon Rd., involving 18 acres clearing, 3350 cu.yd. rock and 19,200 cu.yd. earth excav., from De Camp Bros. & Hughes, Chatcolet, $21,664; Carlson & Norman, Realty Bldg., Spokane, Wash., $23,370.

Cal., **Yreka**—Road Work—B. J. Finch, dist. engr., U. S. Forest Serv., Mills Bldg., San Francisco, received bids building (1) 10.4 mi. Forest Highway from Orleans Bridge to Salmon River Project; (2) 7.4 mi. National Forest Rd., from Orleans Bridge to Humboldt-Siskujou Co. line; (3) 15 mi. Forest Highway from Happy Camp to point near Crawford Creek, from W. B. Arndt, San Francisco, (1) $204,736, $199,-991 if government furnishes explosives; (2) $151,242, $149,002 if government furnishes explosives; W. A. Bechtel, 625 Market St., San Francisco, (1) $235,553; (2) $175,488; (3) $267,550; D. O'Day Co., San Francisco, (3) $296,813, $286,813 if government furnishes explosives.

Miscellaneous

PROPOSED WORK

Parks—Connecticut—State Park Bd., Capitol, Hartford, plans to develop parks throughout various reservations in state, to include trees, shrubbery, plants, flowers, etc. About $100,000.

SEWERS—DALLAS, TEX.

Bids were received by city for constructing storm sewer in Douglas St. Dist. from (A) Klein Bros. Co., Junius and Walton Sts.; (B) Cramer & Cullum, Dallas; (C) Standard Eng. & Constr. Co., Interurban Bldg.; (D) Dallas Lime & Gravel Co., Main St., $80,347. The unit bids of the lowest 3 bidders were as follows:

	A	B	C
1,624.4 lin.ft. 60-in. monolithic concrete pipe	$8 45	$9 84	$10 72
562.6 lin.ft. 54-in. monolithic concrete pipe	8 65	9 60	11 07
460.0 lin.ft. 51-in. monolithic concrete pipe	8 35	9 40	9 58
661.0 lin.ft. 45-in. monolithic concrete pipe	7 70	7 60	8 28
617.0 lin.ft. 39-in. monolithic concrete pipe	5 75	6 10	6 12
395.0 linft. 36-in. monolithic concrete pipe	5 20	5 39	5 71
516.0 lin.ft. 30-in. monolithic concrete pipe	4 55	4 54	5 21
1,275.0 lin.ft. 24-in. tile pipe, double strength	4 70	4 75	3 48
1,127.0 lin.ft. 21-in. tile pipe, double strength	4 10	3 84	3 00
48.0 lin.ft. 21-in. tile pipe, double strength	4 10	3 84	3 00
2,882.0 lin.ft. 18-in. tile pipe, double strength	3 10	3 35	2 48
235.0 lin.ft. 18-in. tile pipe, double strength	3 10	3 35	2 48
431.0 lin.ft. 15-in. tile pipe, double strength	2 55	2 34	2 21
1,790.5 lin.ft. 15-in. tile pipe, double strength	2 50	2 34	2 21
1 24 in. x 21 in. "Y," double strength	16 00	15 00	15 00
1 24 in. x 18 in. "Y," double strength	16 00	15 00	15 00
13 24 in. x 15 in. "Y," double strength	15 00	15 00	15 00
1 21 in. x 18 in. "Y," double strength	14 00	14 00	12 50
15 21 in. x 15 in. "Y," double strength	13 00	14 00	12 50
21 18 in. x 15 in. "Y," double strength	10 00	12 00	9 50
3 15 in. x 15 in. "Y," double strength	9 00	10 00	6 50
7 quadruple inlets	100 00	125 00	178 00
21 triple inlets	87 50	95 00	133 50
78 double inlets	55 00	65 00	89 00
4 single inlets	30 00	35 00	44 50
9 concrete manholes	70 00	80 00	70 00
24 brick manholes	67 00	80 00	75 00
93.0 lin.ft. curb to remove	0 10	0 10	0 15
10.6 lin.ft. curb and gutter to remove (24-in.)	15	20	25
29.0 lin.ft. curb and gutter to remove (12 in.)	15	20	20
62.0 lin.ft. curb and gutter to replace	1 00	1 50	2 00
82.0 sq.yd. bitulithic paving to remove and replace	5 85	6 50	6 65
10.0 sq.yd. concrete paving to remove and replace	2 25	3 00	3 00
630.0 cu.yd. rock excavation	2 75	3 50	3 00
Extended totals	$73,691	$79,506	$79,698

FREIGHT SHED—NEW YORK, N. Y.

Bids were received by L. Nixon, supt. pub. wks., Capitol, Albany, Apr. 25 building Barge Canal terminal freight shed on Pier 93, West 53rd St., North River, Contr. No. 218 from (A) Donnell-Zane Co., Inc., 309 B'way.; (B) A. E. Norton, Inc., 105 West 40th St.; (C) Harris Structural Steel Co., Inc., 1480 B'way. The unit bids were as follows:

	A	B	C
35 M.ft.b.m. sawed lumber	$112 50	$120 00	$90 00
23 cu.yd. 1st-class concrete	21 00	22 00	20 00
366,000 lb. structural steel	0549	067	06
715 sq.ft. 4-in. terra-cotta tile	30	38	30
1,635 sq.ft. solid metal windows	1 10	70	95
2 metal-covered doors, 3 ft. x 7 ft. 6 in.	50 00	45 00	60 00
6 pier-shed doors, 18 ft. x 18 ft.	810 00	800 00	972 00
7 pier-shed doors, 16 ft. x 18 ft.	760 00	720 00	900 00
1 pier-shed door, 16 ft. x 18 ft., with wicket	800 00	750 00	972 00
6,580 sq.ft. corrugated metal siding	32	26	33
3,980 sq.ft. flashings	45	33	45
14,060 sq.ft. roof covering	13	125	13
515 lin.ft. gutters	1 68	1 40	1 40
180 lin.ft. corrugated conductors	56	65	58
157 lin.ft. 4-in. pipe conductors	1 70	1 30	1 60
2 flagpoles	30 00	30 00	25 00
5 24-in. ventilators	32 00	24 00	30 00
1 8-in. ventilator	15 00	15 00	18 00
Extended totals	$44,799	$47,646	$47,343

Fire Alarm and Telegraph Systems—Salamanca, N. Y.—City plans election to vote on $15,000 bonds to build and operate new fire alarm and telegraph systems.

Drydock—Watervliet, N. Y.—P. J. Matton Boat Bldg. Co., 1240 Bway., plans to build 1000-ton drydock.

Levee—Port Allen, La.—Bd. State Engrs., New Orleans Court Bldg., New Orleans, received no bids building part of Port Barre South Levee, in Parish of St. Martin. New bids about July. Noted Apr. 3.

Bakery Ovens—Lorain, O.—Essig Baking Co., c/o H. Essig, having plans prepared by McCormick Co., archts., Century Bldg., Pittsburgh, building 2 rein.-con., steel and brick ovens, rein.-con. flooring and concrete foundation. About $30,000.

Dam and Power Plant—Stacyville, O.—J. A. Weber plans to build concrete dam and power plant. Plans include 1 water wheel, 100 lin.ft. 7-in. Lackawanna steel piling, 10-12 ft. lengths, and 500 cu.yd. concrete. Power Eng. Co., 510 Corn Exch. Bldg., Minneapolis, Minn., engrs.

Terminal—Milwaukee, Wis.—City plans to build marine terminal to include 3 or 4 piers, 1-story, 200 x 1000-ft. sheds, several 8-story, rein.-con. warehouses, railway tracks, etc. Cost, several million dollars. H. McL. Harding, 52 Vanderbilt Ave., New York City, engr.

Miscellaneous (Continued)

Bank Protection—Olympia, Wash.—State Highway Bd. rejected bids received Apr. 28, building 2000 lin.ft. pile and brush bank protection on Nisqually River, Thurston and Pierce Counties. Noted Apr. 17 under "Streets and Roads."

Port Development—Tacoma, Wash.—Port Comn. of Tacoma will hold election May 31, to vote on $2,500,000 bonds for port developments.

Fire Protection System—Watford, Ont.—City plans election to vote on $60,000 bonds to build fire protection system, involving 6000 ft. 6-in. c.i. pipe and water tank. F. W. Thorald, Toronto, engr.

BIDS DESIRED

Capstans and Hoists—Albany, N. Y.—Until June 3, by L. Nixon, supt. pub. wks., Capitol, installing 10 electric capstans, and 2 electric trolley hoists, at various barge canal terminals. Contr. No. 113. About $14,000 and $1000 respectively.

Street Encroachments—New York, N. Y.—Until May 19, by C. B. J. Snyder, supt. school bldgs., Municipal Bldg., removing street encroachments, etc., at hall of Bd. Educ., Park Ave. and 59th St.

Manholes, etc.—New York, N. Y.—Until May 20, by F. L. Dowling, pres. Manhattan Boro., furnishing and delivering 100 castings standard manhole heads, 600 of standard manhole covers, 200 standard receiving basin hoods and plates, 100 standard receiving basin covers, 100 flat corner grate bars, 75 flat straight grate bars, 25 Herringbone straight bars, 150 Type "B" gratings, 150 standard w.i. steps.

Boiler Breeching—Ogdensburg, N. Y.—Until May 20, by State Hospital Comn., Albany, for boiler breeching at St. Lawrence Hospital here. E. S. Elwood, secy.; advertised in this issue. Noted Jan. 30.

Piles, Timber, etc.—St. George, S. I., N. Y.—Until May 21, by J. H. Delaney, comr. plant and structures, Municipal Bldg., New York City, furnishing and delivering piles, timber and hardware to St. George Terminal of Staten Is. Ferry.

Brick—Saranac Lake, N. Y.—Until June 3, by city, furnishing 1800 sq.yd. vitr. paving brick. S. A. Miller, clk.; advertised in this issue.

Laundry Machinery—Wards Island, N. Y.—Until May 20, by State Hospital Comn., Capital, Albany, for laundry machinery and motors to be installed at Manhattan State Hospital, here. L. F. Pilcher, state archt.; advertised in this issue. Noted Jan. 30.

Paving Material—Camden, N. J.—Until May 19, by Com. Streets & Highways, furnishing 50 tons each of asphalt, crushed stone, stone dust, cement, fuel, slag, bituminous coal and asphalt sand, f.o.b. cars Camden from June 1, 1919 to June 1, 1920. O. W. Johnson, ch. clk.

Retaining Wall—Bridgeville, Pa.—Until May 20, by Boro. Council, building 110 cu. yd. rein.-con. retaining wall. J. E. Franks, clk.

Platforms—Phila., Pa.—Until May 20, by W. E. Twining, dir. dept. city transit, 1211 Chestnut St., for furnishing and erecting platforms and connecting passages stations on Kensington Ave., at Allegheny Ave. and Somerset St., Contr. No. 531. Work consists of alteration and reinforcement of certain of existing platform girders and their bracing, furnishing and placing steel framework and railing, rein.-con. platform floor, steel sash and glass slide enclosures, wood and slag roofing, copper drain gutters, galvanized pipe down spouts and appurtenant work.

Transmission Line—La Grange, Ga.—See "Sewers."

Retaining Wall—Grosse Pointe, Mich.—See "Streets and Roads."

Paving Blocks—Kalamazoo, Mich.—Until May 24, by C. L. Miller, city pur. agt., furnishing 1,886,000 vitr. paving blocks; advertised in this issue.

Cast Iron Pipe—Lewiston, Mont.—Until May 19, by City Council, furnishing 38 tons 6-in., 60 tons 4-in. and 10 tons 8-in. class "C" c.i. pipe, and specials, f.o.b. Lewiston. H. L. Fitton, city clk.

Ferry Dock—Seattle, Wash.—Until May 27, by Comrs. King Co., building Vashon Heights ferry dock. About $25,000. S. Humes, co. engr.

BARGE CANAL WORK—NEW YORK, N. Y.

Bids were received by L. Nixon, supt. pub. wks., Capitol, Albany, Apr. 29, for parts of terminal sites at Mott Haven, Greenpoint and Gowanus Bay. Contr. No. 113, from (A) Asphalt Constr. Co., 208 B'way.; (B) M. J. O'Hara, 557 3rd St., Brooklyn; (C) Continental Contg. Corp., 4-6 Washington Pl. The unit bids were as follows:

	A	B	C
2,700 cu.yd. excavation	$1.30	$1.25	$1.10
1,900 cu.yd. 3rd-class concrete	8.50	8.00	7.50
2 catch basins	60.00	100.00	80.00
2 pull boxes	35.00	50.00	40.00
20 lin.ft. drilling holes through masonry	2.00	2.75	2.00
12,000 lb. cast-iron pipe and specials	.05	.065	.06
1,900 lin.ft. concrete curb and edging	80.00	.90	.98
2,100 sq.yd. macadam pavement	1.50	1.25	1.20
10,000 sq.yd. stone block pavement	4.46	4.775	5.03
2,500 sq.yd. relaid stone block pavement	1.67	1.50	2.75
1,125 sq.yd. asphalt pavement	2.20	3.00	2.25
4 crane stops	20.00	25.00	25.00
1,200 lin.ft. crane rail	3.85	3.35	3.60
1,000 lin.ft. fibre duct	.25	.30	.30
Extended totals	$81,360	$83,340	$84,328

Pipe—Anaheim, Cal.—Until May 22, by E. B. Merritt, clk., furnishing 1350 ft. 12-in., and 300 ft. 4-in. c.i. pipe; also deep well pump and motor.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Castings—Boston, Mass.—Dept. Pub. Wks. received bids Apr. 17, furnishing (a) 600,000 lbs. iron castings, including manhole and catchbasin covers, lamphole frames and covers, catchbasin grates, tide gates, iron inlets, etc.; (b) water service including castings, (1) 8000 lbs.; (2) 25,000 lbs., (3) 3500 lbs. from Mechanics Iron Fdry. Co., 38 Kemble St., (a) $4.02 per lb., 200,000 lbs. prior to July 1; Gibby Fdry. Co., East Boston, (a) $3.06, 200,000 lbs. prior to July 1, (b1) $.35., (b2) $.29, (b3) $.22; J. M. McCafferty Co., Boston, (b1) $.29, (b2) $.26, (b3) $.25; Essex Brass Co., Cambridge, (b1) $.375, (b2) $.355, and (b3) $.305.

★**Castings—Boston, Mass.**—Dept. Pub. Wks. let contracts furnishing 70 ton c.i. boxes, to Davis Fdry. Co., 68 Island St., Lawrence, $.05 per lb.; 70 ton c.i. special fittings and 25 ton c.i. frames and covers, to Mechanics Iron Fdry. Co., 38 Kemble St., Roxbury, $0.0495 and $0.032 per lb. respectively.

★**Dam, etc.—Scituate** (North Scituate P. O.) **R. I.**—Water Supply Bd., City Hall, Providence, let contracts building portions of main dam of Scituate Reservoir, Contr. 11, to Sperry Eng. & Contg. Co., 82 Church St., New Haven, Conn., $164,577; 3.5 mi. earth road, 10 mi. westerly of Providence, Contr. 10, to Lundberg & Street, 69 Summit Ave., Brookline, Mass., $53,450. Noted May 8.

★**Tanks—Mechanicsville, Conn.**—French River Textile Co. let contract building rein.-con. fuel oil tank, with 110,000 gal. capacity, to T. I. Ellis, 171 Westminster St., Providence, R. I.

★**Tracks—New York, N. Y.**—Pub. Serv. Comn., 1st Dist., 49 Lafayette St., let contract furnishing and installing tracks for portion of Bway. 4th Ave. line, Queens and Manhattan Boro., to T. Crimmins Constr. Co., 444 East 69th St., $94,974. Noted Apr. 24.

★**Park Improvements—East Orange, N. J.**—Town let contract improving Elmwood Park, to Craig & Harrison, East Orange. About $100,000.

★**Breakwater—Sheboygan, Wis.**—City let contract building 490 lin.ft. rein.-con. breakwater along shore Lake Michigan opposite Vallrath Park, to McMullen & Pitz Co., 8th St., Manitowoc, $14,455.

Paving Blocks—Minneapolis, Minn.—City received bids May 1, furnishing 100,000 sq. yd. yellow pine creosoted paving blocks, (a) 3½ in., (b) 4 in., from Central Creosoting Co., 111 West Washington St., Chicago, Ill., (a) $2.105 per sq.yd., (b) $2.38 per sq.yd.; Republic Creosoting Co., 1614 Merchants Bldg., Indianapolis, Ind., (a) $2.13, (b) $2.39; Kittle River Co., Madison, Ill., (a) $2.18; Midland Creosoting Co., 2463 Bway., Toledo, O., (a) $2.23, (b) $2.56. Noted Apr. 24.

★**Diesel Oil Engine—Lincoln, Neb.**—City let contract furnishing diesel oil engine, to Allis-Chalmers Mfg. Co. About $50,000.

★**Road Graders—Grand Forks, N. D.**—Comrs. Grand Forks Co. let contract furnishing 6 one-man 4-horse blade road graders, weighing not less than 1200 lb. to N. W. Sheet & Iron Wks., Wahpeton. Noted May 1.

★**Levee—Newport, Ark.**—Newport Levee Dist., Jackson Co., let contract building new earth levee and enlarging old one, to W. H. Denison, Cushman. About $165,000. Noted Mar. 13.

Retaining Wall—Spokane, Wash.—See "Streets and Roads."

★**Foundation, etc.—Astoria, Ore.**—Standard Oil Co., Yeon Bldg., Portland, let contract laying concrete foundation for 10 tanks, building 10-ft. concrete wall around plant, replacing present wharf with 40 x 200 ft. dock, and building approach, to Portland Bridge and Bldg. Co., Worcester Bldg., Portland. About $50,000. Noted Feb. 13 under "Industrial Works."

★**Pier — Portland, Ore.** — Comn. Pub. Docks let contract building Pier No. 2, extension of Pier No. 1, and connecting wharf, to Elliott & Scoggins, McKay Bldg., $329,279. Noted Apr. 10.

★**Pipe—Los Angeles, Cal.**—Bd. Pub. Serv. Comn. let contract furnishing 385.5 tons c.i. pipe, f.o.b. Birmingham, Ala., to Amer. Cast Iron Pipe Co., Balboa Bldg., San Francisco, $19,706.

CONTRACTS AWARDED FOR SALE OF PORTION OF ARMY CAMPS

The sale excludes in some cases storage area, remount, rifle range, hospitals and the utilities supplying same.

Camp Beauregard, Alexandria, La.	
J. W. Alexander, Alexandria, La.	$19,175
Camp Bowie, Ft. Worth, Tex.	
Henry Marks Sons, Indianapolis, Ind.	66000
Camp Colt, Gettysburg, Pa.	
Lewis Bros., Rock Island, Ill.	10,000
Camp Hancock, Augusta, Ga.	
J. Mulherin, Augusta, Ga.	38,500
Camp Kendrick, Lakehurst, N. J.	
Geo. C. Demeritt, 153 Remson St., Brooklyn, N. Y., conditionally—on being taken over by the Navy.	
Camp Logan, Houston, Tex.	
Geo. T. Brown, Houston, Tex.	66,000
Camp North Jackson, Columbia, S. C.	
Lewis Bros., Rock Island, Ill.	17,000
Camp Polk, Raleigh, N. C.	
State of North Carolina, terms of sale to be arranged.	
Camp Shelby, Hattiesburg, Miss.	
S. Steinberg & Co., Memphis, Tenn.	85,100
Camp Sheridan, Montgomery, Ala.	
City of Montgomery	10,000
Camp Wadsworth, Spartanaburg, S. C.	
Frank Hodges, Spartansburg, S. C.	10,000
Camp Wheeler, Macon, Ga.	
E. Ness, Savannah, Ga.	67,500

William W. Mead, 100 East Fulton St., Grand Rapids, Mich., would like to receive prices and catalogs from firms dealing in highway construction materials and machinery.

Aktiebolaget Kasper Hoglund, Brunkebergstorg 12, Stockholm, would like to receive prices and catalogs from manufacturers of materials required for roofings, waterproofings and general asphalt work.

Bryant Engineering & Development Co., P. O. Box 134, Ranger, Tex., would like to receive catalogs and prices on sewer and cast iron pipe, cement, concrete mixers and grading machines and paving materials.